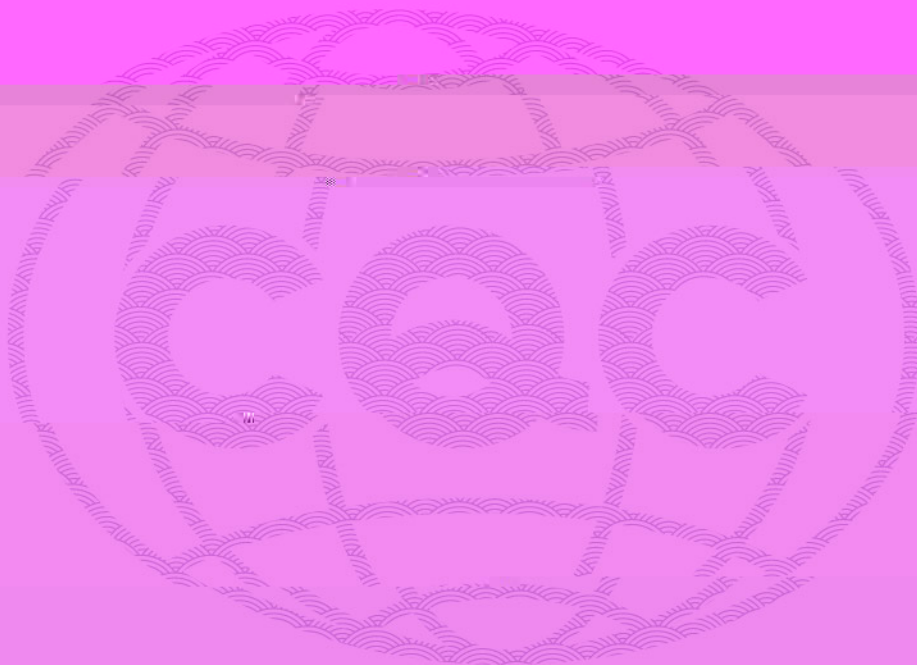




# 产品认证证书

## 太阳能产品认证



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

1

29

CQC25024473116

| 组件型号             |      | Voc[V]/<br>±3% | Vmp<br>[V] | Isc [A]/<br>±3% | Imp<br>[A] | Pmax[W]/<br>±3% | 系统<br>电压[V] | 额定熔断电流<br>[A] |
|------------------|------|----------------|------------|-----------------|------------|-----------------|-------------|---------------|
| GK-1-54HTBD-420M | STC  | 38.11          | 31.51      | 14.07           | 13.33      | 420             | 1500        | 30            |
|                  | BNPI | 38.12          | 31.51      | 15.44           | 14.62      | 460             |             |               |
|                  | BSI  | —              | —          | 17.21           | —          | —               |             |               |
|                  | φ    | 100±5%         | —          | 80±5%           | —          | 80±5%           |             |               |
| GK-1-54HTBD-425M | STC  | 38.30          | 31.70      | 14.15           | 13.41      | 425             | 1500        | 30            |
|                  | BNPI | 38.37          | 31.80      | 15.60           | 14.78      | 470             |             |               |
|                  | BSI  | —              | —          | 17.38           | —          | —               |             |               |
|                  | φ    | 100±5%         | —          | 80±5%           | —          | 80±5%           |             |               |
| GK-1-54HTBD-430M | STC  | 38.49          | 31.88      | 14.23           | 13.49      | 430             | 1500        | 30            |
|                  | BNPI | 38.54          | 31.97      | 15.68           | 14.86      | 475             |             |               |
|                  | BSI  | —              | —          | 17.45           | —          | —               |             |               |
|                  | φ    | 100±5%         | —          | 80±5%           | —          | 80±5%           |             |               |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

CQC25024473116

2

29



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

3

29

CQC25024473116

|                  |        |              |       |             |       |             |      |    |
|------------------|--------|--------------|-------|-------------|-------|-------------|------|----|
|                  | BSI    | —            | —     | 17.81       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-1-54HTBD-455M | STC    | 39.44        | 32.76 | 14.59       | 13.89 | 455         | 1500 | 30 |
|                  | BNPI   | 39.47        | 32.78 | 16.03       | 15.26 | 500         |      |    |
|                  | BSI    | —            | —     | 17.89       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-1-60HTBD-465M | STC    | 42.22        | 34.89 | 14.07       | 13.33 | 465         | 1500 | 30 |
|                  | BNPI   | 42.23        | 34.89 | 15.45       | 14.63 | 510         |      |    |
|                  | BSI    | —            | —     | 17.29       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-1-60HTBD-470M | STC    | 42.38        | 35.05 | 14.15       | 13.41 | 470         | 1500 | 30 |
|                  | BNPI   | 42.47        | 35.18 | 15.60       | 14.78 | 520         |      |    |
|                  | BSI    | —            | —     | 17.37       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

4 29

CQC25024473116

|                  |        |              |       |             |       |             |      |    |
|------------------|--------|--------------|-------|-------------|-------|-------------|------|----|
| GK-1-60HTBD-475M | STC    | 42.54        | 35.21 | 14.23       | 13.49 | 475         | 1500 | 30 |
|                  | BNPI   | 42.60        | 35.33 | 15.68       | 14.86 | 525         |      |    |
|                  | BSI    | —            | —     | 17.45       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-1-60HTBD-480M | STC    | 42.71        | 35.38 | 14.31       | 13.57 | 480         | 1500 | 30 |
|                  | BNPI   | 42.75        | 35.48 | 15.76       | 14.94 | 530         |      |    |
|                  | BSI    | —            | —     | 17.53       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-1-60HTBD-485M | STC    | 42.86        | 35.54 | 14.39       | 13.65 | 485         | 1500 | 30 |
|                  | BNPI   | 42.88        | 35.62 | 15.84       | 15.02 | 535         |      |    |
|                  | BSI    | —            | —     | 17.68       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-1-60HTBD-490M | STC    | 43.02        | 35.70 | 14.48       | 13.73 | 490         | 1500 | 30 |
|                  | BNPI   | 43.04        | 35.74 | 15.93       | 15.11 | 540         |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

5 29

CQC25024473116

|                  |        |              |       |             |       |             |      |    |
|------------------|--------|--------------|-------|-------------|-------|-------------|------|----|
|                  | BSI    | —            | —     | 17.78       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-1-60HTBD-495M | STC    | 43.18        | 35.84 | 14.56       | 13.81 | 495         | 1500 | 30 |
|                  | BNPI   | 43.20        | 35.88 | 16.01       | 15.19 | 545         |      |    |
|                  | BSI    | —            | —     | 17.86       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-1-60HTBD-500M | STC    | 43.34        | 36.00 | 14.64       | 13.89 | 500         | 1500 | 30 |
|                  | BNPI   | 43.36        | 36.02 | 16.09       | 15.27 | 550         |      |    |
|                  | BSI    | —            | —     | 17.94       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-1-60HTBD-505M | STC    | 43.50        | 36.15 | 14.72       | 13.97 | 505         | 1500 | 30 |
|                  | BNPI   | 43.52        | 36.16 | 16.17       | 15.35 | 555         |      |    |
|                  | BSI    | —            | —     | 18.00       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

6 29

CQC25024473116

|                  |        |              |       |             |       |             |      |    |
|------------------|--------|--------------|-------|-------------|-------|-------------|------|----|
| GK-1-72HTBD-560M | STC    | 50.67        | 41.95 | 14.13       | 13.35 | 560         | 1500 | 30 |
|                  | BNPI   | 50.68        | 41.95 | 15.52       | 14.66 | 615         |      |    |
|                  | BSI    | —            | —     | 17.33       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-1-72HTBD-565M | STC    | 50.87        | 42.14 | 14.19       | 13.41 | 565         | 1500 | 30 |
|                  | BNPI   | 50.97        | 42.29 | 15.64       | 14.78 | 625         |      |    |
|                  | BSI    | —            | —     | 17.39       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-1-72HTBD-570M | STC    | 51.07        | 42.29 | 14.25       | 13.48 | 570         | 1500 | 30 |
|                  | BNPI   | 51.17        | 42.42 | 15.70       | 14.85 | 630         |      |    |
|                  | BSI    | —            | —     | 17.51       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-1-72HTBD-575M | STC    | 51.27        | 42.44 | 14.31       | 13.55 | 575         | 1500 | 30 |
|                  | BNPI   | 51.37        | 42.56 | 15.76       | 14.92 | 635         |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

7 29

CQC25024473116

|                  |      |        |       |       |       |       |      |    |
|------------------|------|--------|-------|-------|-------|-------|------|----|
|                  | BSI  | —      | —     | 17.57 | —     | —     |      |    |
|                  | φ    | 100±5% | —     | 80±5% | —     | 80±5% |      |    |
| GK-1-72HTBD-580M | STC  | 51.47  | 42.59 | 14.37 | 13.62 | 580   | 1500 | 30 |
|                  | BNPI | 51.57  | 42.70 | 15.82 | 14.99 | 640   |      |    |
|                  | BSI  | —      | —     | 17.63 | —     | —     |      |    |
|                  | φ    | 100±5% | —     | 80±5% | —     | 80±5% |      |    |
| GK-1-72HTBD-585M | STC  | 51.67  | 42.74 | 14.43 | 13.69 | 585   | 1500 | 30 |
|                  | BNPI | 51.77  | 42.80 | 15.88 | 15.07 | 645   |      |    |
|                  | BSI  | —      | —     | 17.69 | —     | —     |      |    |
|                  | φ    | 100±5% | —     | 80±5% | —     | 80±5% |      |    |
| GK-1-72HTBD-590M | STC  | 51.87  | 42.89 | 14.49 | 13.76 | 590   | 1500 | 30 |
|                  | BNPI | 51.97  | 42.94 | 15.94 | 15.14 | 650   |      |    |
|                  | BSI  | —      | —     | 17.81 | —     | —     |      |    |
|                  | φ    | 100±5% | —     | 80±5% | —     | 80±5% |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

8 29

CQC25024473116

|                  |      |        |       |       |       |       |      |    |
|------------------|------|--------|-------|-------|-------|-------|------|----|
| GK-1-72HTBD-595M | STC  | 52.07  | 43.04 | 14.55 | 13.83 | 595   | 1500 | 30 |
|                  | BNPI | 52.17  | 43.07 | 16.00 | 15.21 | 655   |      |    |
|                  | BSI  | —      | —     | 17.87 | —     | —     |      |    |
|                  | φ    | 100±5% | —     | 80±5% | —     | 80±5% |      |    |
| GK-1-72HTBD-600M | STC  | 52.27  | 43.19 | 14.61 | 13.90 | 600   | 1500 | 30 |
|                  | φ    | 100±5% | —     | 80±5% | —     | 80±5% |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

9 29

CQC25024473116

|                  |      |        |       |       |       |       |      |    |
|------------------|------|--------|-------|-------|-------|-------|------|----|
|                  | BSI  | —      | —     | 16.74 | —     | —     |      |    |
|                  | φ    | 100±5% | —     | 80±5% | —     | 80±5% |      |    |
| GK-1-78HTBD-615M | STC  | 56.44  | 47.15 | 13.71 | 13.05 | 615   | 1500 | 30 |
|                  | BNPI | 56.81  | 47.35 | 15.08 | 14.36 | 680   |      |    |
|                  | BSI  | —      | —     | 16.80 | —     | —     |      |    |
|                  | φ    | 100±5% | —     | 80±5% | —     | 80±5% |      |    |
| GK-1-78HTBD-620M | STC  | 56.61  | 47.30 | 13.77 | 13.12 | 620   | 1500 | 30 |
|                  | BNPI | 56.94  | 47.50 | 15.14 | 14.42 | 685   |      |    |
|                  | BSI  | —      | —     | 16.86 | —     | —     |      |    |
|                  | φ    | 100±5% | —     | 80±5% | —     | 80±5% |      |    |
| GK-1-78HTBD-625M | STC  | 56.78  | 47.45 | 13.83 | 13.19 | 625   | 1500 | 30 |
|                  | BNPI | 57.07  | 47.65 | 15.20 | 14.48 | 690   |      |    |
|                  | BSI  | —      | —     | 16.92 | —     | —     |      |    |
|                  | φ    | 100±5% | —     | 80±5% | —     | 80±5% |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

10

29

CQC25024473116

|                  |        |              |       |             |       |             |      |    |
|------------------|--------|--------------|-------|-------------|-------|-------------|------|----|
| GK-1-78HTBD-630M | STC    | 56.95        | 47.60 | 13.89       | 13.25 | 630         | 1500 | 30 |
|                  | BNPI   | 57.20        | 47.80 | 15.26       | 14.54 | 695         |      |    |
|                  | BSI    | —            | —     | 16.98       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-1-78HTBD-635M | STC    | 57.12        | 47.75 | 13.95       | 13.31 | 635         | 1500 | 30 |
|                  | BNPI   | 57.33        | 47.95 | 15.32       | 14.60 | 700         |      |    |
|                  | BSI    | —            | —     | 17.10       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-1-78HTBD-640M | STC    | 57.29        | 47.90 | 14.01       | 13.37 | 640         | 1500 | 30 |
|                  | BNPI   | 57.46        | 48.09 | 15.38       | 14.66 | 705         |      |    |
|                  | BSI    | —            | —     | 17.16       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-1-78HTBD-645M | STC    | 57.47        | 48.06 | 14.06       | 13.42 | 645         | 1500 | 30 |
|                  | BNPI   | 57.59        |       |             |       |             |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

11

29

CQC25024473116

|                  |        |              |       |             |       |             |      |    |
|------------------|--------|--------------|-------|-------------|-------|-------------|------|----|
|                  | BSI    | —            | —     | 17.22       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-1-78HTBD-650M | STC    | 57.63        | 48.22 | 14.11       | 13.48 | 650         | 1500 | 30 |
|                  | BNPI   | 57.72        | 48.38 | 15.50       | 14.78 | 715         |      |    |
|                  | BSI    | —            | —     | 17.28       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-1-78HTBD-655M | STC    | 57.79        | 48.38 | 14.17       | 13.54 | 655         | 1500 | 30 |
|                  | BNPI   | 57.86        | 48.53 | 15.56       | 14.84 | 720         |      |    |
|                  | BSI    | —            | —     | 17.34       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-1-78HTBD-660M | STC    | 57.95        | 48.54 | 14.23       | 13.60 | 660         | 1500 | 30 |
|                  | BNPI   | 58.00        | 48.68 | 15.62       | 14.90 | 725         |      |    |
|                  | BSI    | —            | —     | 17.40       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

12

29

CQC25024473116

|                  |        |              |       |             |       |             |      |    |
|------------------|--------|--------------|-------|-------------|-------|-------------|------|----|
| GK-4-48HTBD-425M | STC    | 34.38        | 29.00 | 15.73       | 14.66 | 425         | 1500 | 35 |
|                  | BNPI   | 34.41        | 29.00 | 17.37       | 16.10 | 465         |      |    |
|                  | BSI    | —            | —     | 19.02       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-48HTBD-430M | STC    | 34.55        | 29.18 | 15.80       | 14.74 | 430         | 1500 | 35 |
|                  | BNPI   | 34.58        | 29.18 | 17.44       | 16.19 | 470         |      |    |
|                  | BSI    | —            | —     | 19.10       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-48HTBD-435M | STC    | 34.72        | 29.36 | 15.87       | 14.82 | 435         | 1500 | 35 |
|                  | BNPI   | 34.75        | 29.36 | 17.51       | 16.27 | 475         |      |    |
|                  | BSI    | —            | —     | 19.18       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-48HTBD-440M | STC    | 34.89        | 29.54 | 15.94       | 14.90 | 440         | 1500 | 35 |
|                  | BNPI   | 34.92        | 29.54 | 17.58       | 16.35 | 480         |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

13

29

CQC25024473116

|                  |        |              |       |             |       |             |      |    |
|------------------|--------|--------------|-------|-------------|-------|-------------|------|----|
|                  | BSI    | —            | —     | 19.26       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-48HTBD-445M | STC    | 35.06        | 29.72 | 16.01       | 14.98 | 445         | 1500 | 35 |
|                  | BNPI   | 35.09        | 29.72 | 17.65       | 16.43 | 485         |      |    |
|                  | BSI    | —            | —     | 19.34       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-48HTBD-450M | STC    | 35.23        | 29.90 | 16.08       | 15.05 | 450         | 1500 | 35 |
|                  | BNPI   | 35.26        | 29.90 | 17.72       | 16.50 | 490         |      |    |
|                  | BSI    | —            | —     | 19.42       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-48HTBD-455M | STC    | 35.40        | 30.08 | 16.15       | 15.13 | 455         | 1500 | 35 |
|                  | BNPI   | 35.43        | 30.08 | 17.79       | 16.55 | 495         |      |    |
|                  | BSI    | —            | —     | 19.48       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

14

29

CQC25024473116

|                  |        |              |       |             |       |             |      |    |
|------------------|--------|--------------|-------|-------------|-------|-------------|------|----|
| GK-4-48HTBD-460M | STC    | 35.60        | 30.28 | 16.21       | 15.19 | 460         | 1500 | 35 |
|                  | BNPI   | 35.60        | 30.30 | 17.85       | 16.66 | 505         |      |    |
|                  | BSI    | —            | —     | 19.56       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-48HTBD-465M | STC    | 35.80        | 30.48 | 16.28       | 15.26 | 465         | 1500 | 35 |
|                  | BNPI   | 35.80        | 30.49 | 17.91       | 16.73 | 510         |      |    |
|                  | BSI    | —            | —     | 19.63       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-54HTBD-480M | STC    | 39.21        | 32.25 | 15.62       | 14.89 | 480         | 1500 | 35 |
|                  | BNPI   | 39.21        | 32.28 | 17.23       | 16.42 | 530         |      |    |
|                  | BSI    | —            | —     | 19.17       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-54HTBD-485M | STC    | 39.41        | 32.45 | 15.68       | 14.95 | 485         | 1500 | 35 |
|                  | BNPI   | 39.41        |       |             |       |             |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

15

29

CQC25024473116

|                  |        |              |       |             |       |             |      |    |
|------------------|--------|--------------|-------|-------------|-------|-------------|------|----|
|                  | BSI    | —            | —     | 19.22       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-54HTBD-490M | STC    | 39.61        | 32.65 | 15.74       | 15.01 | 490         | 1500 | 35 |
|                  | BNPI   | 39.61        | 32.65 | 17.34       | 16.54 | 540         |      |    |
|                  | BSI    | —            | —     | 19.27       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-54HTBD-495M | STC    | 39.81        | 32.85 | 15.81       | 15.07 | 495         | 1500 | 35 |
|                  | BNPI   | 39.81        | 32.85 | 17.41       | 16.59 | 545         |      |    |
|                  | BSI    | —            | —     | 19.32       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-54HTBD-500M | STC    | 40.02        | 33.05 | 15.88       | 15.13 | 500         | 1500 | 35 |
|                  | BNPI   | 40.02        | 33.05 | 17.47       | 16.64 | 550         |      |    |
|                  | BSI    | —            | —     | 19.37       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

16

29

CQC25024473116

|                  |        |              |       |             |       |             |      |    |
|------------------|--------|--------------|-------|-------------|-------|-------------|------|----|
| GK-4-54HTBD-505M | STC    | 40.22        | 33.25 | 15.95       | 15.19 | 505         | 1500 | 35 |
|                  | BNPI   | 40.22        | 33.25 | 17.53       | 16.69 | 555         |      |    |
|                  | BSI    | —            | —     | 19.42       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-54HTBD-510M | STC    | 40.42        | 33.45 | 16.02       | 15.25 | 510         | 1500 | 35 |
|                  | BNPI   | 40.42        | 33.45 | 17.59       | 16.74 | 560         |      |    |
|                  | BSI    | —            | —     | 19.47       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-54HTBD-515M | STC    | 40.62        | 33.64 | 16.08       | 15.31 | 515         | 1500 | 35 |
|                  | BNPI   | 40.62        | 33.64 | 17.64       | 16.80 | 565         |      |    |
|                  | BSI    | —            | —     | 19.51       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-54HTBD-520M | STC    | 40.82        | 33.84 | 16.14       | 15.37 | 520         | 1500 | 35 |
|                  | BNPI   | 40.82        | 33.84 | 17.70       | 16.86 | 570         |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

17

29

CQC25024473116

|                  |        |              |       |             |       |             |      |    |
|------------------|--------|--------------|-------|-------------|-------|-------------|------|----|
|                  | BSI    | —            | —     | 19.56       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-66HTBD-590M | STC    | 47.32        | 39.67 | 15.79       | 14.88 | 590         | 1500 | 35 |
|                  | BNPI   | 47.32        | 39.71 | 17.37       | 16.37 | 650         |      |    |
|                  | BSI    | —            | —     | 19.41       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-66HTBD-595M | STC    | 47.49        | 39.81 | 15.86       | 14.96 | 595         | 1500 | 35 |
|                  | BNPI   | 47.49        | 39.84 | 17.44       | 16.45 | 655         |      |    |
|                  | BSI    | —            | —     | 19.48       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-66HTBD-600M | STC    | 47.66        | 39.95 | 15.93       | 15.03 | 600         | 1500 | 35 |
|                  | BNPI   | 47.66        | 39.96 | 17.51       | 16.52 | 660         |      |    |
|                  | BSI    | —            | —     | 19.55       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

18

29

CQC25024473116

|                  |        |              |       |             |       |             |      |    |
|------------------|--------|--------------|-------|-------------|-------|-------------|------|----|
| GK-4-66HTBD-605M | STC    | 47.83        | 40.09 | 16.00       | 15.10 | 605         | 1500 | 35 |
|                  | BNPI   | 47.83        | 40.09 | 17.58       | 16.59 | 665         |      |    |
|                  | BSI    | —            | —     | 19.62       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-66HTBD-610M | STC    | 48.00        | 40.22 | 16.07       | 15.18 | 610         | 1500 | 35 |
|                  | BNPI   | 48.10        | 40.35 | 17.72       | 16.74 | 675         |      |    |
|                  | BSI    | —            | —     | 19.75       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-66HTBD-615M | STC    | 48.17        | 40.35 | 16.14       | 15.25 | 615         | 1500 | 35 |
|                  | BNPI   | 48.27        | 40.47 | 17.79       | 16.81 | 680         |      |    |
|                  | BSI    | —            | —     | 19.82       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-66HTBD-620M | STC    | 48.34        | 40.48 | 16.21       | 15.33 | 620         | 1500 | 35 |
|                  | BNPI   | 48.44        | 40.58 | 17.97       | 16.89 | 685         |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

19

29

CQC25024473116

|                  |        |              |       |             |       |             |      |    |
|------------------|--------|--------------|-------|-------------|-------|-------------|------|----|
|                  | BSI    | —            | —     | 20.02       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-66HTBD-625M | STC    | 48.51        | 40.63 | 16.28       | 15.41 | 625         | 1500 | 35 |
|                  | BNPI   | 48.61        | 40.73 | 18.05       | 16.97 | 690         |      |    |
|                  | BSI    | —            | —     | 20.09       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-66HTBD-630M | STC    | 48.68        | 40.73 | 16.35       | 15.48 | 630         | 1500 | 35 |
|                  | BNPI   | 48.78        | 40.81 | 18.12       | 17.04 | 695         |      |    |
|                  | BSI    | —            | —     | 20.16       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-66HTBD-635M | STC    | 48.85        | 40.85 | 16.42       | 15.55 | 635         | 1500 | 35 |
|                  | BNPI   | 48.95        | 40.93 | 18.19       | 17.11 | 700         |      |    |
|                  | BSI    | —            | —     | 20.23       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

20

29

CQC25024473116

|                  |        |              |       |             |       |             |      |    |
|------------------|--------|--------------|-------|-------------|-------|-------------|------|----|
| GK-4-66HTBD-640M | STC    | 49.02        | 40.98 | 16.49       | 15.62 | 640         | 1500 | 35 |
|                  | BNPI   | 49.12        | 41.06 | 18.26       | 17.18 | 705         |      |    |
|                  | BSI    | —            | —     | 20.30       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-2-60HTBD-610M | STC    | 42.66        | 36.46 | 17.83       | 16.73 | 610         | 1500 | 35 |
|                  | BNPI   | 42.75        | 36.61 | 19.66       | 18.44 | 675         |      |    |
|                  | BSI    | —            | —     | 21.92       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-2-60HTBD-615M | STC    | 42.84        | 36.66 | 17.96       | 16.78 | 615         | 1500 | 35 |
|                  | BNPI   | 42.91        | 36.78 | 19.80       | 18.49 | 680         |      |    |
|                  | BSI    | —            | —     | 22.06       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-2-60HTBD-620M | STC    | 43.01        | 36.88 | 17.99       | 16.82 | 620         | 1500 | 35 |
|                  | BNPI   | 43.07        | 36.97 | 19.82       | 18.53 | 685         |      |    |

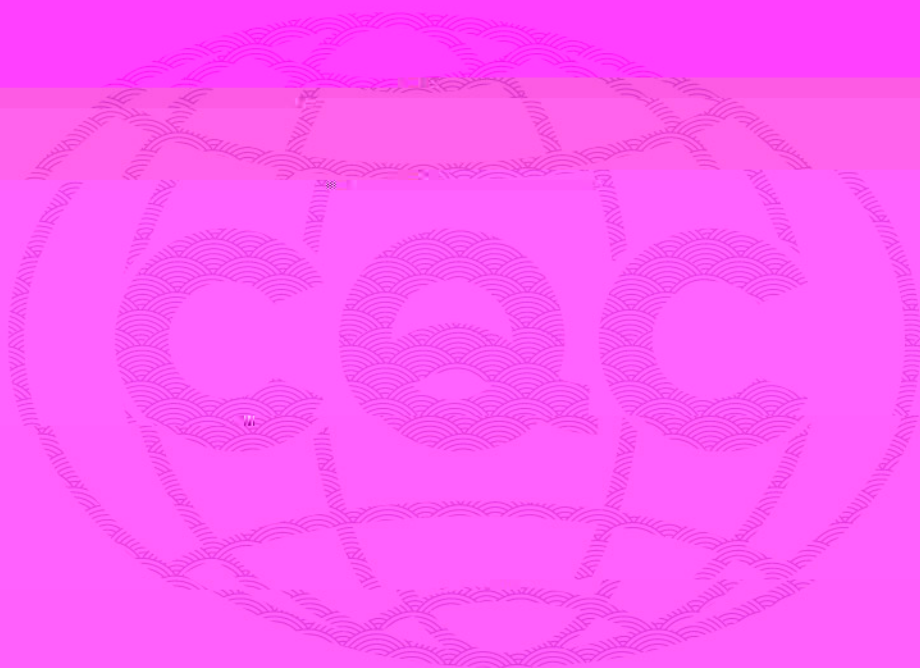


中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

22

29

CQC25024473116

|                  |        |              |       |             |       |             |      |    |
|------------------|--------|--------------|-------|-------------|-------|-------------|------|----|
| GK-2-60HTBD-640M | STC    | 43.72        | 37.60 | 18.11       | 17.02 | 640         | 1500 | 35 |
|                  | BNPI   | 43.75        | 37.64 | 19.95       | 18.73 | 705         |      |    |
|                  | BSI    | —            | —     | 22.18       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-2-60HTBD-645M | STC    | 43.90        | 37.79 | 18.14       | 17.07 | 645         | 1500 | 35 |
|                  | BNPI   | 43.93        | 37.81 | 19.99       | 18.78 | 710         |      |    |
|                  | BSI    | —            | —     | 22.21       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-2-60HTBD-650M | STC    | 44.08        | 37.97 | 18.17       | 17.12 | 650         | 1500 | 35 |
|                  | BNPI   | 44.11        | 37.97 | 20.03       | 18.83 | 715         |      |    |
|                  | BSI    | —            | —     | 22.24       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-2-60HTBD-655M | STC    | 44.26        | 38.15 | 18.21       | 17.17 | 655         | 1500 | 35 |
|                  | BNPI   | 44.29        | 38.15 | 20.07       | 18.88 | 720         |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

23

29

CQC25024473116

|                  |        |              |       |             |       |             |      |    |
|------------------|--------|--------------|-------|-------------|-------|-------------|------|----|
|                  | BSI    | —            | —     | 22.27       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-2-60HTBD-660M | STC    | 44.44        | 38.33 | 18.25       | 17.22 | 660         | 1500 | 35 |
|                  | BNPI   | 44.47        | 38.33 | 20.11       | 18.93 | 725         |      |    |
|                  | BSI    | —            | —     | 22.31       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-2-60HTBD-665M | STC    | 44.62        | 38.51 | 18.29       | 17.27 | 665         | 1500 | 35 |
|                  | BNPI   | 44.65        | 38.51 | 20.15       | 18.98 | 730         |      |    |
|                  | BSI    | —            | —     | 22.35       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-2-66HTBD-680M | STC    | 46.90        | 40.30 | 17.96       | 16.92 | 680         | 1500 | 35 |
|                  | BNPI   | 46.95        | 40.37 | 19.77       | 18.62 | 750         |      |    |
|                  | BSI    | —            | —     | 22.05       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

24

29

CQC25024473116

|                  |      |       |       |       |       |     |      |    |
|------------------|------|-------|-------|-------|-------|-----|------|----|
| GK-2-66HTBD-685M | STC  | 47.10 | 40.50 | 17.99 | 16.95 | 685 | 1500 | 35 |
|                  | BNPI | 47.15 | 40.55 | 19.80 | 18.65 | 755 |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

25

29

CQC25024473116

|                  |        |              |       |             |       |             |      |    |
|------------------|--------|--------------|-------|-------------|-------|-------------|------|----|
|                  | BSI    | —            | —     | 22.21       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-2-66HTBD-705M | STC    | 48.68        | 41.29 | 18.11       | 17.07 | 705         | 1500 | 35 |
|                  | BNPI   | 48.73        | 41.29 | 19.92       | 18.77 | 775         |      |    |
|                  | BSI    | —            | —     | 22.25       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-2-66HTBD-710M | STC    | 48.91        | 41.50 | 18.15       | 17.11 | 710         | 1500 | 35 |
|                  | BNPI   | 48.94        | 41.50 | 19.96       | 18.81 | 780         |      |    |
|                  | BSI    | —            | —     | 22.29       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-2-66HTBD-715M | STC    | 49.14        | 41.69 | 18.19       | 17.15 | 715         | 1500 | 35 |
|                  | BNPI   | 49.15        | 41.69 | 20.00       | 18.85 | 785         |      |    |
|                  | BSI    | —            | —     | 22.33       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

26

29

CQC25024473116

|                  |      |       |       |       |       |     |      |    |
|------------------|------|-------|-------|-------|-------|-----|------|----|
| GK-2-66HTBD-720M | STC  | 49.36 | 41.91 | 18.24 | 17.18 | 720 |      |    |
|                  | BNPI | 49.36 |       |       |       |     | 1500 | 35 |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

27

29

CQC25024473116

|                  |        |              |       |             |       |             |      |    |
|------------------|--------|--------------|-------|-------------|-------|-------------|------|----|
|                  | BSI    | —            | —     | 22.49       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-78HTBD-720M | STC    | 56.77        | 47.47 | 16.06       | 15.17 | 720         | 1500 | 35 |
|                  | BNPI   | 56.77        | 47.49 | 17.63       | 16.64 | 790         |      |    |
|                  | BSI    | —            | —     | 19.54       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-78HTBD-725M | STC    | 56.92        | 47.60 | 16.12       | 15.23 | 725         | 1500 | 35 |
|                  | BNPI   | 56.92        | 47.62 | 17.69       | 16.69 | 795         |      |    |
|                  | BSI    | —            | —     | 19.60       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-78HTBD-730M | STC    | 57.07        | 47.73 | 16.18       | 15.29 | 730         | 1500 | 35 |
|                  | BNPI   | 57.07        | 47.75 | 17.75       | 16.75 | 800         |      |    |
|                  | BSI    | —            | —     | 19.66       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

28

29

CQC25024473116

|                  |        |              |       |             |       |             |      |    |
|------------------|--------|--------------|-------|-------------|-------|-------------|------|----|
| GK-4-78HTBD-735M | STC    | 57.22        | 47.86 | 16.24       | 15.36 | 735         | 1500 | 35 |
|                  | BNPI   | 57.22        | 47.88 | 17.81       | 16.81 | 805         |      |    |
|                  | BSI    | —            | —     | 19.72       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-78HTBD-740M | STC    | 57.37        | 47.99 | 16.30       | 15.42 | 740         | 1500 | 35 |
|                  | BNPI   | 57.37        | 48.01 | 17.87       | 16.87 | 810         |      |    |
|                  | BSI    | —            | —     | 19.78       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-78HTBD-745M | STC    | 57.52        | 48.12 | 16.36       | 15.48 | 745         | 1500 | 35 |
|                  | BNPI   | 57.52        | 48.14 | 17.93       | 16.93 | 815         |      |    |
|                  | BSI    | —            | —     | 19.84       | —     | —           |      |    |
|                  | $\phi$ | 100 $\pm$ 5% | —     | 80 $\pm$ 5% | —     | 80 $\pm$ 5% |      |    |
| GK-4-78HTBD-750M | STC    | 57.67        | 48.25 | 16.42       | 15.54 | 750         | 1500 | 35 |
|                  | BNPI   | 57.67        | 48.27 | 17.99       | 16.99 | 820         |      |    |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



# 产品认证证书

## 太阳能产品认证

29

29

CQC25024473116

|  |     |        |   |       |   |       |  |  |
|--|-----|--------|---|-------|---|-------|--|--|
|  | BSI | —      | — | 19.90 | — | —     |  |  |
|  | φ   | 100±5% | — | 80±5% | — | 80±5% |  |  |



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE