

## ASL160-18-M

### Quality and Safety

- ★Rigorous quality control meeting the highest international standards
- ★High-transmissivity low-iron tempered glass, strong aluminium frame Using UV-resistant silicon
- ★ISO 9001:2008、ISO 14001:2004 and OHSAS18001
- ★IEC61215,IEC61730,Safety Class II,conformity to CE

### Features

- ★Aesthetic appearance with excellent efficiency based on innovative photovoltaic technologies
- ★High quality,strong aluminium frame,passing mechanical load testing 5400 Pa and wind pressure 2400Pa

### Warranties

- ★10 years limited product warranty
- ★10 years at 90% of the minimal rated power output
- ★25 years at 80% of the minimal rated power output

### Certificates



### Electrical Characteristics

Technical parameter (with tolerance 0~+3%)

|                                |       |
|--------------------------------|-------|
| Maximum Power(W)               | 160W  |
| Optimum Power Voltage(Vmp)     | 19.5V |
| Optimum Operating Current(Imp) | 8.21A |
| Open Circuit Voltage(Voc)      | 23.4V |
| Short Circuit Current(Isc)     | 9.03A |

|                  |       |
|------------------|-------|
| Cells Efficiency | 20.2% |
|------------------|-------|

|                    |       |
|--------------------|-------|
| Modules Efficiency | 17.6% |
|--------------------|-------|

### Mechanical Characteristics

|           |                            |
|-----------|----------------------------|
| Cell Type | Monocrystalline 182x60.6mm |
|-----------|----------------------------|

|            |              |
|------------|--------------|
| No of Cell | 72(4x18) PCS |
|------------|--------------|

|            |               |
|------------|---------------|
| Dimensions | 1180x770x30mm |
|------------|---------------|

|        |      |
|--------|------|
| Weight | 9KGS |
|--------|------|

|             |   |
|-------------|---|
| Front Glass | 3.2mm,High Transmission, Low Iron, Tempered Glass |
|-------------|---|

|       |                          |
|-------|--------------------------|
| Frame | Anodized Aluminium Alloy |
|-------|--------------------------|

|              |            |
|--------------|------------|
| Junction box | IP68 Rated |
|--------------|------------|

|              |  |
|--------------|--|
| Output Cable | TUV 1x2.5mm <sup>2</sup> /UL12AWG,Length:900mm |
|--------------|--|

### Temperature and Coefficients

|                            |                |
|----------------------------|----------------|
| Operating Temperature(°C): | -40°C ~ + 85°C |
|----------------------------|----------------|

|                         |                        |
|-------------------------|------------------------|
| Maximum System Voltage: | 600V(UL)/1000V(IEC) DC |
|-------------------------|------------------------|

|                               |     |
|-------------------------------|-----|
| Maximum Rated Current Series: | 10A |
|-------------------------------|-----|

|                                   |         |
|-----------------------------------|---------|
| Temperature Coefficients of Pmax: | -0.435% |
|-----------------------------------|---------|

|                                  |        |
|----------------------------------|--------|
| Temperature Coefficients of Voc: | -0.35% |
|----------------------------------|--------|

|                                  |        |
|----------------------------------|--------|
| Temperature Coefficients of Isc: | 0.043% |
|----------------------------------|--------|

|  |          |
|--|----------|
| Nominal Operating Cell Temperature (NOCT): | 47+/-2°C |
|--|----------|

### Loading Quantity

|                |        |
|----------------|--------|
| 20FT Container | 950PCS |
|----------------|--------|

|                |         |
|----------------|---------|
| 40HQ Container | 2200PCS |
|----------------|---------|