

### Standard monocrystalline 60 cell module

SoliTek is a European manufacturer of top quality PV cells and modules with headquarters and production plant in Vilnius, Lithuania.

The company combines the most sophisticated technologies and over 18 years of experience.



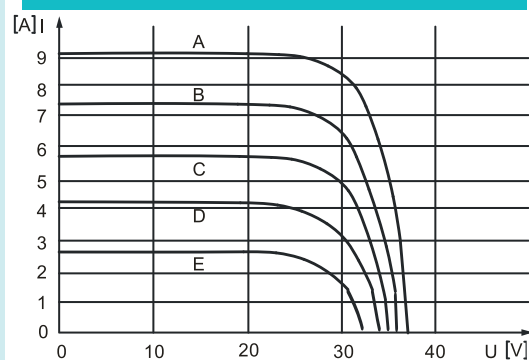
#### WORKING CONDITIONS

|                               |                   |
|-------------------------------|-------------------|
| Maximum System Voltage        | DC 1000V (TUV)    |
| Operating temperature         | -40°C / +85°C     |
| Maximum reverse current       | 15 A              |
| Max. wind load/max. snow load | 2400 Pa / 5400 Pa |
| IP protection level           | 65                |
| Safety class                  | II                |

#### TEMPERATURE COEFFICIENTS

|                                     |            |
|-------------------------------------|------------|
| Voltage temperature coefficient (β) | -0,36 %/K  |
| Current temperature coefficient (α) | +0,034 %/K |
| Power temperature coefficient (δ)   | -0,46 %/K  |

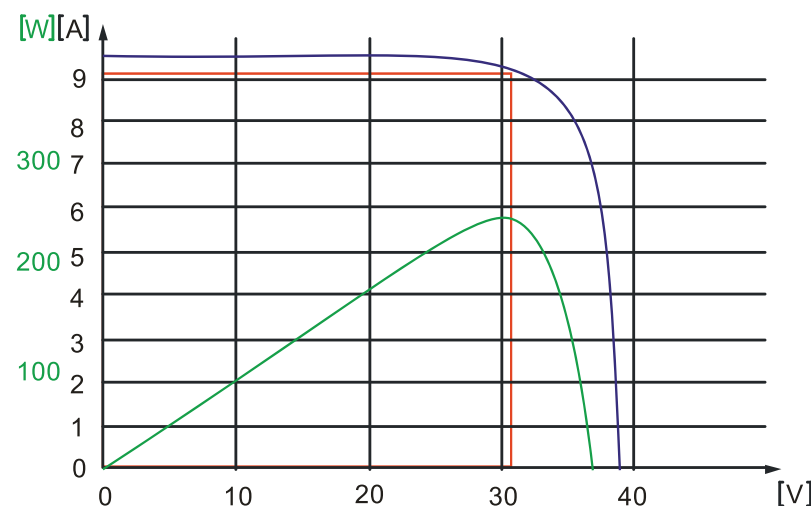
#### I-V CURVE



A: 1000 W / m<sup>2</sup>    C: 600 W / m<sup>2</sup>    E: 200 W / m<sup>2</sup>  
 B: 800 W / m<sup>2</sup>    D: 450 W / m<sup>2</sup>

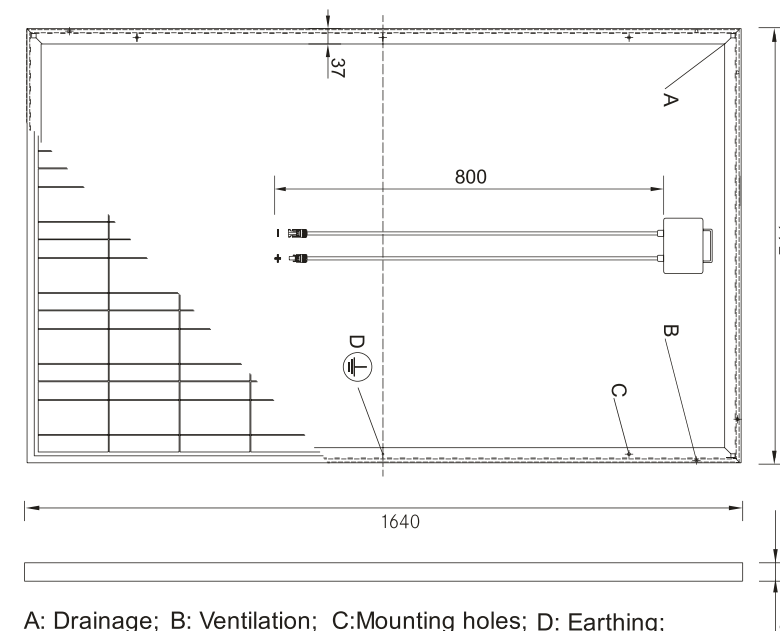
#### ELECTRICAL PARAMETERS

| Type                        | Solitek Standard M.60 -S- 280 | Solitek Standard M.60 -S- 290 |
|-----------------------------|-------------------------------|-------------------------------|
| Maximum Power* (PMPP)       | 280 Wp                        | 290 Wp                        |
| Rated Voltage (VMPP)        | 31,50 V                       | 31,90 V                       |
| Rated Current (IMPP)        | 8,89 A                        | 9,09 A                        |
| Open Circuit Voltage (VOC)  | 38,80 V                       | 39,37 V                       |
| Short Circuit Current (ISC) | 9,42 A                        | 9,69 A                        |
| Power tolerance             | 0+3%                          | 0+3%                          |



#### MECHANICAL PARAMETERS

|                          |                              |
|--------------------------|------------------------------|
| Cell size                | 156x156 mm                   |
| Number of cells          | 6x10, three strings in a row |
| Front side glass         | 3,2 mm hardened solar glass  |
| Weight                   | 19 kg                        |
| Dimensions (L x W x H)   | 1640x992x40 mm               |
| J-box                    | Plastic, IP65, ventilated    |
| Cable length             | 0,8-1,1 m                    |
| Cable cross section size | 4 mm <sup>2</sup>            |
| Number of diodes         | 3                            |
| Plug-in connection       | MC4 or equivalent            |
| Frame                    | Anodised Al frame (silver)   |
| Packing configuration    | 25 pcs./pallet               |



A: Drainage; B: Ventilation; C: Mounting holes; D: Earthing;



12 years



90% max output



80% max output



CERTIFIC



IEC 61215  
IEC 61730

