



# THREE PHASE

## APS GTI 1.0



60 KW  
70 KW

75 KW  
80 KW



WIDE RANGE OF AC VOLTAGE & FREQUENCY TO ADAPT TO THE ADVERSE GRID SITUATION IN INDIA



MUCH LOWER AC CURRENT THD: 1.5%



MUCH ACCURATE AC POWER



ULTRA HIGH PERFORMANCE DYNAMIC MPPT EFFICIENCY

CALL NOW FOR MORE DETAILS  
**1800-313-5052**

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| MODEL         | APS-3-60K-IN      | APS-3-70K-IN | APS-3-75K-IN | APS-3-80K-IN |
|---------------|-------------------|--------------|--------------|--------------|
| Energy source | GRID-CONNECTED PV |              |              |              |

| INPUT (DC)                      |          |    |      |     |
|---------------------------------|----------|----|------|-----|
| Max.DC Power(kW)                | 78       | 91 | 97.5 | 104 |
| Max.DC Input Voltage(V)         | 1000     |    |      |     |
| Start-up DC Input Voltage(V)    | 250      |    |      |     |
| MPPT Operating Range(V)         | 200-850V |    |      |     |
| Max. DC Input Current(A)        | 4X40A    |    |      |     |
| Number of MPP/Number of Strings | 4/4      |    |      |     |

| OUTPUT (AC)                      |                            |       |       |       |
|----------------------------------|----------------------------|-------|-------|-------|
| Rated Output Power (kW)          | 60                         | 70    | 75    | 80    |
| Max. Active Power (kW)           | 66                         | 77    | 82.5  | 88    |
| Rated AC Grid Voltage(V)         | 380/400                    |       |       |       |
| AC Grid Voltage Range (V)        | 277-460                    |       |       |       |
| Rated Grid Frequency (Hz)        | 50/60 (Optional)           |       |       |       |
| Operating Phase                  | Three Phase                |       |       |       |
| Rated AC Grid output Current (A) | 87.8                       | 101.5 | 108.7 | 115.9 |
| Max.AC Output Current(A)         | 95.7                       | 111.6 | 119.6 | 127.5 |
| Output Power Factor              | 0.8 leading to 0.8 lagging |       |       |       |
| Grid Current (THD)               | <3%                        |       |       |       |
| DC Injection Current(A)          | <0.5%                      |       |       |       |
| Grid Frequency Range             | 47-52 OR 57-62             |       |       |       |

| EFFICIENCY      |        |
|-----------------|--------|
| Max. EFFICIENCY | 98.3%  |
| Euro EFFICIENCY | 98.30% |
| MPPT EFFICIENCY | >99%   |

| PROTECTION                        |     |
|-----------------------------------|-----|
| DC Reverse-Polarity Protection    | Yes |
| AC Short Circuit Protection       | Yes |
| AC Output Over current Protection | Yes |
| Insulation Resistance Protection  | Yes |
| Ground Fault Monitoring           | Yes |
| Surge Protection                  | Yes |
| Anti-islanding                    | Yes |
| Temperature Protection            | Yes |
| Integrated DC Switch              | Yes |

| GENERAL DATA                             |   |
|--|---|
| Size(mm)                                 | 838W*577H*3237D   |
| Weight(kg)                               | 73.7  |
| Topology                                 | Transformerless   |
| Internal Consumption                     | <2W (Night)   |
| Running Temperature                      | -25° c to 65°c  |
| Ingress Protection                       | IP65  |
| Noise Emission (Typical)                 | <30dB   |
| Cooling Concept                          | Smart Cooling   |
| Max. Operating Altitude Without Derating | 2000m   |
| Designed Lifetime                        | >20 Years   |
| Grid Connection Standard                 | EN50438,IEC61727,VDE4105,NB/T32004(CQC),IEC62109-1-2  |
| Operating Surrounding Humidity           | 0-100%  |
| Safety EMC/ Standard                     | IEC 61727,62116,60068,61683,IEC / EN62109 – 1/2,IEC61000 – 6 -1,61000-6-3,61000-3-11,61000-3-12 |

| FEATURES      |                            |
|---------------|----------------------------|
| DC Connection | MC-4 mateable              |
| AC Connection | IP65 rated plug            |
| Display       | 3.5TFT                     |
| Interface     | RS485/RS232 /WiFi/GPRS/LAN |

**Australian Premium Solar (India) Pvt. Ltd.**

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