



# THREE PHASE

## APS GTI 1.0



**30 KW**  
**40 KW**

**45 KW**  
**50 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-3-30K-IN      | APS-3-40K-IN | APS-3-45K-IN | APS-3-50K-IN |
|---------------|-------------------|--------------|--------------|--------------|
| Energy source | GRID-CONNECTED PV |              |              |              |

| INPUT (DC)                      |           |       |          |       |
|---------------------------------|-----------|-------|----------|-------|
| Max.DC Power(kW)                | 39        | 52    | 58.5     | 65    |
| Max.DC Input Voltage(V)         |           | 1000  |          |       |
| Start-up DC Input Voltage(V)    |           | 250   |          |       |
| MPPT Operating Range(V)         | 200-1000V |       | 200-850V |       |
| Max. DC Input Current(A)        | 2X28.5A   | 3X40A |          | 4X40A |
| Number of MPP/Number of Strings | 2/3       | 3/3   |          | 4/3   |

| OUTPUT (AC)                      |      |                            |      |      |
|----------------------------------|------|----------------------------|------|------|
| Rated Output Power (kW)          | 30   | 40                         | 45   | 50   |
| Max. Active Power (kW)           | 33   | 44                         | 49.5 | 55   |
| 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) | 43.5 | 58                         | 65.2 | 72.4 |
| Max.AC Output Current(A)         | 47.8 | 63.8                       | 71.7 | 79.7 |
| 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 (Optional)  |      |      |

| 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)                                 | 700W*684H*307D  |
| Weight(kg)                               | 55  |
| Topology                                 | Transformerless   |
| Internal Consumption                     | <2W (Night)   |
| Running Temperature                      | -25° c to 65°c  |
| Ingress Protection                       | IP65  |
| Noise Emission (Typical)                 | <30dB   |
| Cooling Concept                          | Intelligent 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/LAN |

Australian Premium Solar (India) Pvt. Ltd.

Factory : Near Tajpur GEB Substation, Tajpur, National Highway 8, Prantij, Gujarat 383205

Corporate / Sales Office : 4th Floor, 14 Magnet Corporate Park, Sarkhej - Gandhinagar Hwy, behind Intas Corporate House, Thaltej, Ahmedabad, Gujarat 380054