



THREE PHASE

APS GTI 1.0



5.5 KW
6.6 KW
7.0 KW

8.0 KW
10.0 KW



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



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CURRENT THD: 1.5%



MUCH ACCURATE
AC POWER



ULTRA HIGH PERFORMANCE
DYNAMIC MPPT EFFICIENCY



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| MODEL | APS-3-5.5K-IN | APS-3-6.6K-IN | APS-3-7K-IN | APS-3-8K-IN | APS-3-10K-IN |
|---------------|-------------------|---------------|-------------|-------------|--------------|
| Energy source | GRID-CONNECTED PV | | | | |

| INPUT (DC) | | | | | |
|---------------------------------|-----------|-----|---------------|------|----|
| Max.DC Power(kW) | 6.5 | 7.8 | 9.1 | 10.4 | 13 |
| Max.DC Input Voltage(V) | 1000 | | | | |
| Start-up DC Input Voltage(V) | 140 | | | | |
| MPPT Operating Range(V) | 200-1000V | | 120-850V | | |
| Max. DC Input Current(A) | 10A + 10A | | 12.5A + 12.5A | | |
| Number of MPP/Number of Strings | 2/1 | | | | |

| OUTPUT (AC) | | | | | |
|----------------------------------|----------------------------|-----|------|------|-------|
| Rated Output Power (kW) | 5 | 6.6 | 7 | 8 | 10 |
| Max. Active Power (kW) | 5.5 | 6.6 | 7.7 | 8.8 | 11 |
| Rated AC Grid Voltage(V) | 3L/N/PE 400V | | | | |
| AC Grid Voltage Range (V) | 277-460 | | | | |
| Rated Grid Frequency (Hz) | 50/60 (Optional) | | | | |
| Operating Phase | Three Phase | | | | |
| Rated AC Grid output Current (A) | 7.2 | 8.7 | 10.1 | 11.6 | 14.5 |
| Max.AC Output Current(A) | 8 | 9.6 | 11.0 | 12.8 | 15.09 |
| Output Power Factor | 0.8 leading to 0.8 lagging | | | | |
| Grid Current (THD) | <2% | | | | |
| DC Injection Current(A) | <0.5% | | | | |
| Grid Frequency Range | 47-52 OR 57-62 (Optional) | | | | |

| EFFICIENCY | |
|-----------------|-------|
| Max. EFFICIENCY | 98.3% |
| Euro EFFICIENCY | 97.5% |
| 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 | Optional |

| GENERAL DATA | |
|------------------------------------------|-------------------------------------------------------------------------------------|
| Size(mm) | 185W*479H184D |
| Weight(kg) | 15 |
| Topology | Transformerless |
| Internal Consumption | <2W (Night) |
| Running Temperature | -25° c to 65°c |
| Ingress Protection | IP65 |
| Noise Emission (Typical) | <25dB |
| Cooling Concept | Natural Cooling |
| Max. Operating Altitude Without Derating | 2000m |
| Designed Lifetime | >20 Years |
| Grid Connection Standard | EN504.8,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, EN50549, IEC61000 – 6 -1,61000-6-3 |

| FEATURES | |
|---------------|--------------------|
| DC Connection | MC-4 MC-4 mateable |
| AC Connection | IP65 rated plug |
| Display | LCD1602 |
| Interface | RS485/WiFi/GPRS |

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