

ATESS HPS7500TL/10000TL



LEADING - EDGE TECHNOLOGY

- ▶ **All in one hybrid inverter**
battery, load, grid, solar connection all supported
- ▶ **Programmable working mode**
peak-shaving, back-up, use the system however you want it
- ▶ **Compact design**
Transformerless topology, light and small in size
- ▶ **Touchscreen LCD**
More convenient for parameter setting and maintenance
- ▶ **Seamless transfer**
Uninterruptable power supply guaranteed
- ▶ **Dry contact output**
Supports remote control of DG

Datasheet**ATESS HPS7500TL****ATESS HPS10000TL****AC (grid-connected)**

Apparent power	9.4kVA	12.5kVA
Rated power	7.5kW	10kW
Rated voltage	400V	400V
Rated current	10.5A	14A
Voltage range	360V - 440V	360V - 440V
Rated frequency	50/60Hz	50/60Hz
Frequency range	47~51.5/57~61.5Hz	47~51.5/57~61.5Hz
THDi	<3%	<3%
PF	0.8lagging~0.8leading	0.8lagging~0.8leading
AC connection	3/N/PE	3/N/PE

AC(Off-grid)

Apparent power	9.4kVA	12.5kVA
Rated power	7.5kW	10kW
Rated voltage	400V	400V
Rated current	10.5A	14A
THDU	≤2%linear	≤2%linear
Rated frequency	50/60Hz	50/60Hz
Overload capability	110%-10 min 120%-1 min	110%-10 min 120%-1 min

DC (battery and PV)

Max PV Open-circuit voltage	1000V	1000V
Recommended PV power	9kWp	12kWp
PV MPPT voltage range	370V-720V	370V-720V
Number of MPPT	2	2
Recommended nominal battery voltage	350V	400V
Battery voltage range	280-720V	280-720V
Full load battery voltage range	300-720V	350-720V
Max. charge/discharge power	7.5kW	10kW
Max. charge/discharge current	25A	28.6A

General Information

Protection devices	PV DC switch, battery breaker and fuse, PV fuse, grid breaker, load breaker	
Protection degree	IP54	IP54
Noise emission	<65dB(A)@1m	<65dB(A)@1m
Environment temperature	-25 °C... +55 °C	-25 °C... +55 °C
Cooling	Forced-air	Forced-air
Relative humidity	0 ~95% non-condensing	0 ~95% non-condensing
Maximum altitude	6000m (derate over 3000m)	6000m (derate over 3000m)
Dimension (W/H/D)	700/600/250mm	700/600/250mm
Weight	50kg	50kg
Topology	Transformerless	Transformerless
Lighting protection	Type II	Type II
Transfer between on/off grid	Automatic≤20ms	Automatic≤20ms
Standby consumption	<20W	<20W

Communication

Display	Touch screen	Touch screen
Communication interface	RS485/CAN	RS485/CAN