

AS2 SERIES

THREE PHASE AC-COUPLED ALL-IN-ONE SOLUTION



AS2-5K-T | AS2-6K-T | AS2-8K-T
AS2-10K-T | AS2-10K-T-B



Easy installation
with pre-wiring



Compatible with
all inverter brands



Modular design and
expandable up to 25.0kWh

UPS With UPS function
switch time $\leq 10\text{ms}$

IP65 IP65 outdoor design

100% Supported 100%
three phase voltage imbalance



MODEL	AS2-5K-T	AS2-6K-T	AS2-8K-T	AS2-10K-T	AS2-10K-T-B
Battery Parameters					
Battery Type	LiFePO4				
Battery Voltage Range[V]	180~600				
Max.Charging/Discharging Current [A]	30/30				
Scalability	BU2-5.0-HV1/5 (up to 5 battery modules)				
Short Time Withstand Current/ Conditional Short-circuit Current [A]	<10000				
AC Output [On-grid]					
Rated AC Power [W]	5000	6000	8000	10000	10000
Max.Apparent Power [VA]	5500	6600	8800	11000	10000
Rated Output Current [A]@230Vac	7.2	8.7	11.6	14.5	14.5
Max. Output Current [A]	8.3	10.0	13.3	16.7	15.2
Current Inrush [A]	52.0				
Max. AC Fault Current [A]	45.0				
Max. AC Over Current Protection [A]	20.8	25.0	33.3	41.8	41.8
Rated AC Voltage/Range [V]	3L+N+PE, 220/380, 230/400, 240/415; 180~280/312~485				
Rated Output Frequency/Range [Hz]	50, 60/45~55, 55~65				
Power Factor [cosφ]	0.8 leading~0.8 lagging				
Total Harmonic Distortion [THDi]	<3%				
AC Input [On-grid]					
Rated AC Voltage/Range [V]	3L+N+PE, 220/380, 230/400, 240/415; 180~280/312~485				
Rated Input Frequency [Hz]	50, 60				
Max. Input Current [A]@230Vac	14.5	17.4	23.2	29.0	29.0
AC Output [Back-up]					
Max.Output Power [VA]	5000	6000	8000	10000	10000
Max. Output Current [A]	8.0	9.6	12.8	15.9	15.9
Peak Output Apparent Power [VA]	10000, 60s	12000, 60s	16000, 60s	16500, 60s	16500, 60s
Rated AC Voltage/Range [V]	3L+N+PE, 220/380, 230/400, 240/415; 180~280/312~485				
Rated Output Frequency/Range [Hz]	50, 60/45~55, 55~65				
Automatic Switch Time (ms)	10ms				
Output THDv (@ Linear Load)	<3%				
Efficiency					
Max. Efficiency	98.0%				
Euro Efficiency	97.6%				
Protection					
Battery Input Reverse Polarity Protection	Integrated				
Over load Protection	Integrated				
AC Short Circuit Current Protection	Integrated				
AC Surge Protection	Integrated				
Anti-islanding Protection	Integrated				
Interface					
PV Connection	MC4/H4				
AC Connection	Plug-in connector				
Battery Connection	Quick connector				
Display	LED+APP				
Communication	Wi-Fi/Ethernet/4G(Optional)				
General Parameters					
Topology	Non-isolated				
Operating Temperature Range	-10℃ to +50℃ (>45℃ derating)				
Cooling Method	Natural Convection				
Ambient Humidity	0-100% Non-condensing				

Altitude	4000m (>3000m Power Derating)
Noise [dBA]	<35
Ingress Protection	IP65
Dimensions [H*W*D] [mm]	450*626*365
Weight [kg]	32
Warranty [Year]	5/10/15/20
Standard	EN 62109-1/2, EN 61000-6-2/4, EN 50438, EN 50549, C10/11, IEC 62116, IEC 61727, RD 1699, RD 413, UNE 206006, UNE 206007, NTS, CEI 0-16, CEI 0-021, AS 4777.2, NBR 16149, NBR 16150 VDE-AR-N 4015, VDE 0126-1-1