XO HYBRID INVERTER
TECHNICAL SPECIFICATIONS /



XO HYBRID INVERTER SPECIFICATIONS



XO HYBRID INVERTER MODEL	XS·I3+	XS·I6+
OPERATING CAPACITY	3.6kW	6.0kW
OPERATING VOLTAGE CATEGORY	Low Voltage	High Voltage
OPERATING PHASE MODE	Single Phase	
EMERGENCY POWER SUPPY MODE	Integrated Automatic Switchover	
SOLAR INPUT		
MAX. DC INPUT POWER (W)	8000	10000
RATED DC INPUT VOLTAGE (V)	360	
DC INPUT VOLTAGE RANGE (V)	60 - 580	
MPPT VOLTAGE RANGE (V)	50 - 550	
START-UP VOLTAGE (V)	60	
MAX. DC INPUT CURRENT (A)	20 x 2	
NO. OF MPPT TRACKERS	2	
NO. OF STRINGS PER MPPT	1	
STORAGE BATTERY		
BATTERY NOMINAL VOLTAGE (V)	48	300
BATTERY VOLTAGE RANGE (V)	40 - 60	85 - 400
MAX. CHARGE/DISCHARGE CURRENT (A)	66	30
MAX. CHARGE/DISCHARGE POWER (W)	3600	6900
CHARGING CURVE	3-Stage	
COMPATIBLE BATTERY TYPE	Lithium-ion / Lead-acid etc.	

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XO HYBRID INVERTER MODEL	XS•I3+	XS•I6+
EMERGENCY POWER SUPPLY (EPS MODE)		
EPS NOMINAL OUTPUT POWER (W)	3000	6000
EPS NOMINAL OUTPUT VOLTAGE (V)	230	
EPS NOMINAL OUTPUT FREQUENCY (HZ)	50 / 60	
EPS NOMINAL OUTPUT CURRENT (A)	13	26
PEAK OUTPUT POWER	3600w, 30s	6900w, 30s
THD(VOLTAGE)	< 5%	
SWITCHING TIME (S)	< 0.01	
AC OUTPUT		
NOMINAL AC OUTPUT POWER (VA)	3600	6000
NOMINAL AC OUTPUT CURRENT (A)	16	26
MAX. AC OUTPUT CURRENT (A)	18.5	30
NOMINAL AC VOLTAGE (V)	230	
NOMINAL AC FRENQUENCY (HZ)	50 / 60	
POWER FACTOR	Adjustable 0.9 overexcited to 0.9 underexcited	
THD(CURRENT)	< 3%	
EFFICIENCY		
EUROPE EFFICIENCY	97.5%	
MAX. EFFICIENCY	97.9%	
BATTERY CHARGE/DISCHARGE EFFICIENCY	94.6%	98.6%
PROTECTION		
REVERSE POLARITY PROTECTION	YES	
OVER CURRENT/VOLTAGE PROTECTION	YES	
ANTI-ISLANDING PROTECTION	YES	
AC SHORT-CIRUIT PROTECTION	YES	
LEAKAGE CURRENT DETECTION	YES	
GROUND FAULT MONITORING	YES	
GRID MONITORING	YES	
ENCLOSURE PROTECT LEVEL	IP65 / NEMA4X	
DESIGN CONSIDERATIONS		
WEIGHT	33.8kg	37.8kg
CHASSIS MODEL	XO Type I Chassis	XO Type II Chassis
CHASSIS DIMENSIONS (H X W X D)	597mm x 450mm x 176mm	
NO. OF CHASSIS	1	
MINIMUM MOUNTING CLEARANCE	200mm	
TOTAL SPACE REQUIREMENT (H X W)	797mm x 650mm	
STRUCTURAL MOUNTING REQUIREMENT		
WALL MOUNTING FIXING REQUIREMENT		

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XO HYBRID INVERTER MODEL	XS·I3+	XS·I6+
GENERAL DATA		
TOPOLOGY	Transformerless (Solar) / HF (Battery)	Transformerless (Solar)
COOLING CONCEPT	Natural Convection	
RELATIVELY HUMIDITY	0 - 100%	
OPERATING TEMPERATURE RANGE (↗C)	"-25 - 60"	
OPERATING ALTITUDE (M)	< 2000m	
NOISE EMISSION (DB)	< 25	
STANDBY CONSUMPTION (W)	< 5	
DISPLAY & COMMUNICATION INTERFACES	Wi-Fi / RS485 / CAN	
CERTIFICATION & APPROVALS	AS 4777, VDE-AR-N4105, VDE0126, G88, G99, IEC62109-1-2, IEC62040, EN61000-6-2, EN61000-6-2, EN61000-6-3	



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