1PH HYD 3000 ZP1/ 1PH HYD 6000 ZP1

Single-phase hybrid system





TECHNICAL DATA	1PH HYD 3000 ZP1	1PH HYD 3680 ZP1	1PH HYD 4000 ZP1	1PH HYD 4600 ZP1	1PH HYD 5000 ZP1	1PH HYD 6000 ZP1
DC input data (photovoltaic)						
Typical DC power*	4500W	5400W	6000W	6900	7500W	9000W
Maximum DC power for each MPPT	2250W	2700W	3000W	3450W	3750W	4500W
No. of independent MPPTs / No. of strings per MPPT	2/1 550V					
Start-up voltage	100V					
Rated Input voltage	360V					
MPPT DC voltage range	4.4014.50014	4701/5001/	85V-5	20V	0051 (500) (0001/ 5001/
DC voltage range at full load	140V-500V	1/0V-500V	185V-500V	215V-500V	235V-500V	280V-500V
Maximum absolute current for each MPPT	22.5A/22.5A					
Battery technical data	HV 7RT 5K					
Rated voltage	400V					
Allowable voltage range			350-4	35V		
Maximum charge/discharge power	3000W	3680W	4000W	4600W	5000W	6000W
Number/capacity of installable batteries		0 0/1	1-4 / 5.1-2	0.4kWh	rge)	
Charge curve	Managed by integrated BMS					
Depth of Discharge (DoD)	0%-90% (programmable)					
Vimensions (H X L X V) Weight	420mm*7087mm*170mm 50ka					
AC output (grid side)			001	.y		
Rated power	3000W	3680W	4000W	4600W	5000W	6000W
Maximum Power Maximum current	3300VA	3680VA	4400VA	4600VA	5500VA	6600VA
Connection type/Rated voltage	IJA	10.7A	Single-phase L/N/F	20.9A PE 220, 230, 240V	20 A	30A
AC voltage range	180V-276V (according to the local standards)					
Rated frequency	50Hz/60Hz					
AC frequency range Total harmonic distortion	44HZ -55HZ / 54HZ -66HZ (according to the local standards)					
Power factor	1 default (Programmable +/- 0.8)					
Grid feed-in limit			Programmable	from display		
EPS Output (Emergency Power Supply)						
Maximum power supplied in EPS mode***	3000VA	3680VA	4000VA	4600VA	5000VA	6000VA
EPS output voltage and frequency	104	1.5.1	Single-phase 230	OV 50Hz/60Hz	01 74	0.6.4
Current supplied in EPS mode	13A 16A 17.4A 2UA 21.7A 26A					
Switch time	< 10ms					
Efficiency						
Maximum efficiency		97.7%			97.8%	
MPPT efficiency		97%	>99.0	9%	97.1%	
Consumption in stand-by			< 10	W		
Protections						
Internal Interface protection	res Anti-islanding RCMLL Ground Fault Monitoring					
Reverse polarity protection DC	Yes					
DC circuit breaker	Integrated					
Overheating protection	Yes Overvoltage Category III / Protection class I					
Integrated dischargers	AC/DC MOV: Type 3 Standard					
Battery soft start			Ye	S		
Standard			61000 2 2/2/11/	12 EN 61000 6 2/2	1	
Safety standard		IEC 62116, IEC 61	727, IEC 61683, IEC	C 60068-1/2/14/30), IEC 62109-1/2	
Grid connection standard	Connection certificates and standards available on www.zcsazzurro.com					
Communication		Wi Ei/AC /Ethorpot (o	ntional) DS495 (propr	istan (protocol) LICP	CAN 2.0 Plustooth	
Additional inputs or connections		Inpu	t for current sensoi	r connection or me	ter	
Inverter general information						
Allowable ambient temperature range	-10°C+50°C (power limit above 45°C)					
Environmental protection class	Inansion meness / High-frequency isolation battery output IP65					
Allowable relative humidity range	5% - 95% without condensation					
Maximum operating altitude	4000m (power limit above 2000m)					
Noise level	< 25dB @ 1mt 23.5 kg					
Cooling	Natural convection					
Dimensions (H x L x D)	410mm*708mm*170mm					
Data monitoring			LCD Displa	ay + APP		
Warranty		(NB: the extended warranty can be obtained by registering on the				
		EXTENDED V	ARRANTY section	of the zcsazzurro.cc	om website)	

* The typical DC power does not represent a maximum applicable power limit. The online configurator available at www.zcsazzurro.com will provide any applicable configurations.
** Standard value for lithium batteries; maximum operating range between +10°C and +40°C;
*** Power output in EPS mode depends on the number and type of batteries, and the status of the system (e.g. residual capacity, temperature)