

ESP

ESP MODULAR TECHNICAL DATA SHEET

MODEL		ESP 400	ESP 600
SIZE (A)		400	600
POWER MODULE (A)		60-80-100	
ELECTRICAL SPECIFICATIONS	Rated voltage	400 V +15%, -20%; 480V +10%, -20%	
	Phases	Three-phase	
	Frequency	50/60 ±3 Hz	
	Harmonic correction	From the 2nd to the 51st	
	Power factor correction	Capacitive and inductive (selectable)	
	Load balancing	Between two phases and between phase and neutral	
	Response time	25 µs	
ENVIRONMENTAL PARAMETERS	Operating temperature	-10°C to +40°C without derating	
	Relative humidity	<95%	
	Altitude (a.s.l.)	<1000 m without derating, >1000 m with 1% derating for every 100 m	
	Audible noise at 1 m.	<63 dBA	
GENERAL	Dimensions (WxDxH) mm	600x900x1500	600x900x1950
	Weight (kg)*	150	196
	Protection class	IP21	
	Connections	4-wire/3-wire	
	Installation	Floor standing	
	Type	Modular	
	Parallel connection up to (A)	2400	
	Max no. of modules per system (60, 80 or 100 A in a mixed configuration)	Up to 4	Up to 6
	Max parallel systems	6	4
	TA configuration	Source side TA: closed loop control - load side TA: open loop control	
CONNECTIVITY	Built-in communication ports	USB, RS485, Modbus RTU, EPO Ethernet port and dry relay contacts (1 in/3 out)	
	User interface	7" colour LCD touch screen display	
	Software	Data monitoring and storage software	
REGULATIONS	Standards	EN61000-3-4, IEEE 519-1992, EN60146, EN50178; UL508, EN61000-6-4, EN55011, CISPR 11, IEC 61000-3-12, IEC 61000-3-11, IEC 61000-6-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 62477-1, IEC 61000-4-5, IEC 61000-4-6, EN 61000-4-8, EN61000-4-34	
	Marking	CE, UKCA	

* Weight without the control module and power modules