

Cipher 1000VA-10kVA

Series Specification

Specification table for Cipher Series, UPS systems 1000VA-10kVA.

For models:

CIP010B/C

CIP015B/C

CIP030B/C

CIP060B/C

CIP100B/C

Tech Support

Need help? Our UK-based experts are available 9am-5pm, Monday to Friday.

Email: hello@neotec.co.uk **Website:** www.neotec.co.uk

	CIP010B	CIP010C	CIP015B	CIP015C	CIP030B	CIP030C	CIP060B	CIP060C	CIP100B	CIP100C
POWER RATING										
VA/Watt	1000VA/1000W		1500VA/1500W		3000VA/3000W		6kVA/kW		10kVA/kW	
EFFICIENCY										
Line mode	89%				93%		95%			
ECO mode	96%		97%				98%			
INPUT PERFORMANCE										
Voltage range	160-300V 100% load, 110-160V derating to 50% load linearly						160-275V 100% load, 110-160V derating to 50% load linearly			
Rated frequency	50Hz/60Hz									
Frequency range	40Hz-70Hz (45Hz-55Hz, 54Hz-66Hz at load>60%)									
PF	>0.99									
THDI	<5%									
OUTPUT PERFORMANCE										
Rated voltage	200/208/220/230/240 VAC (derating 10% at 208V, derating 20% at 200V)						220/230/240VAC			
Rated frequency	50Hz/60Hz									
Maximum PF	PF = 1									
Voltage accuracy	±1%									
THDv	<1% linear load; <5% nonlinear load									
Transfer time	0ms at line <-> battery; 4ms at line <-> bypass; 10ms at ECO <-> Inverter						0ms (10ms at ECO->Inverter)			
Crest ratio	Max 3:1									
Overload	100%<load≤105% continuous 105%< load ≤125% for 5 minutes 125<load≤150% for 30 seconds >150% for 500ms						100%<load≤105% continuous 105%< load ≤125% for 10 minutes 125<load≤150% for 30 seconds >150% for 500ms			
CVCF mode	Yes (derating to 60% load)									
CONNECTIONS										
Input socket	1 x IEC C14				1 x IEC C20	1 x Terminal	Hardwired terminals			
Output socket	4 x IEC C13				8 x IEC C13 1 x IEC C19	8 x IEC C13 1 x Terminal	Hardwired terminals			
BATTERY & POWER PROTECTION										
Short-circuit protection: Bypass mode	550A/2.8ms				699A/7ms		N/A			
Short-circuit protection: Normal/battery mode	20A/100ms		25A/100ms		20A/100ms		54A/200ms		113A/200ms	
Battery: Voltage	36VDC				72VDC		192-240VDC			
Battery: Capacity (AH)	3 x 12V / 7Ah	N/A	3 x 12V / 9Ah	N/A	6 x 12V / 9Ah	N/A	20 x 12V / 7Ah	N/A	20 x 12V / 9Ah	N/A
Maximum EBM quantity	4						6			
EBM auto detection	Yes						No			
Battery hot-swappable	Yes (EMBs connected to 6/10kVA can be disconnected with the UPS online)									
CHARGING										
Charging method	Optimised Battery Management (OBM)									
Charging current	1.5A	8A	1.5A	8A	1.5A	8A	0-4A	0-12A	0-4A	0-12A
Recharging time	3h to 90%	N/A	3h to 90%	N/A	3h to 90%	N/A	3h to 90%	N/A	3h to 90%	N/A

	CIP010B	CIP010C	CIP015B	CIP015C	CIP030B	CIP030C	CIP060B	CIP060C	CIP100B	CIP100C
USER INTERFACE & COMMUNICATION (HMI)										
Display	Dot matrix LCD (optional segment LCD)									
Language	Multi-Language									
USB	USB 2.0 with HID power device									
RS232	Yes (DB9)									
Dry in/out	1 programmable dry in; 1 programmable dry out									
RPO	Yes									
Intelligent slot	Yes									
Network card	Optional, NEONET001 card									
Modbus card	Optional, NEOMOD001 card									
Dry contactor card	Optional, NEOREL001 card									
Wireless module	Optional									
IoT ethernet port	RJ45									
Monitor software	WinPower, WinPower View APP									
PHYSICAL ATTRIBUTES										
Dimensions: W x D x H (mm)	145 x 404 x 220				192 x 428 x 318		225 x 492 x 590	225 x 492 x 354	225 x 492 x 590	225 x 492 x 354
Weight (kg)	12.8	6.4	14.3	6.7	26.4	11.4	58	14	69	16
IP protection level	IP20									
Wheels	No						Yes			
ENVIRONMENT										
Operating temperature	0-45°C, 40-45°C derating to 80%						0-50°C (power derating to 50% at 40-50°C)			
Relative humidity	0-95%									
Operating altitude	0~3000m (the load derating 1 % every up 100m at 1000~3000m)									
Acoustic noise	<45dB at front 1m				<50dB at front 1m				<55dB at front 1m	
CERTIFICATION & STANDARDS										
Certification	CE, IEC/EN 62040									
EMI: Conduction/Radiation	C2						C3			
EMS: ESD	IEC/EN 61000-4-2									
EMS: RS	IEC/EN 61000-4-3									
EMS: EFT	IEC/EN 61000-4-4									
EMS: Surge	IEC/EN 61000-4-5									
ACCESSORIES										
Input power cable	Yes						N/A			
Output power cable	Yes						N/A			
EBM cable	Yes (in EBM)									
USB cable	Yes									
RS232 cable	Optional									
Rail kit	Optional						N/A			
Tower feet	No						N/A			
Rack ear	No						N/A			
Manual (English)	Yes									