

# COMPACT PRO

**1:1 1 - 10 kVA**



Emmerich's Compact Pro series is a UPS range in a tower format equipped with on-line double-conversion technology and the latest features to make it an advanced protection system for sensitive and critical loads. High output power factor (PF=0.8) to ensure availability to all types of loads. Compact Pro range is available in 1-2-3-6-10 kVA single-phase models. Compact Pro offering the highest levels of reliability and protection for critical servers, voice and data processing IT systems.

For facilities that require more back-up time, Compact Pro (ER models) can be fitted with large capacity battery extension which built in internal extra charger. In terms of status information, each Compact Pro has a built-in with an LCD display to show input and output voltages, load, UPS operating status information and battery charge status. Emmerich's Compact pro is a totally new design, fully microprocessor controlled and constructed to achieve the highest levels of operating efficiency and configuration options.

Emmerich's Compact Pro series also have extensive monitoring and communication options via the built-in USB HID interface, an intelligent slot for SNMP cards or relays and a wide range of software packages available – free monitoring version downloadable for Windows, Linux, Unix or Mac and packages available for multi servers or virtualised systems.

## PERFORMANCES

- True double-conversion.
- Output power factor 0.8
- Generator compatible.
- Converter mode available.
- Input power factor correction.
- Wide input voltage (110 V – 300 V).
- Optional isolation transformer available.
- Microprocessor control optimizes reliability.
- ECO mode for energy saving (Only available for 1-3KVA).
- Smart SNMP works well with either USB or RS-232 together.
- Comprehensive display allows easy monitoring and access of UPS status.
- Adjustable battery number only available for 6K and up models.
- Emergency power off (EPO) function is only available for 6K/10K models (Please check with sales directly).

MODEL	CMP 1 (ER)		CMP 2 (ER)			CMP 3 (ER)		CMP 6 (ER)		CMP 10 (ER)			
PHASE	Single phase with ground												
CAPACITY*	1000 VA / 800 W		2000 VA / 1600 W			3000 VA / 2400 W		6000 VA / 4800 W		10000 VA / 8000 W			
<b>INPUT</b>													
Nominal Voltage	100/110/115/120/127 VAC or 200/208/220/230/240 VAC						208/220/230/240 VAC						
Input Voltage Range	55-150 VAC or 110-300 VAC (Based on load at 50%)						110-300 VAC (Based on load at 50%)						
	85-140 VAC or 160-280 VAC (Based on load at 100%)						176-300 VAC (Based on load at 100%)						
Frequency Range	40 ~ 70 Hz						46 ~ 54 Hz or 56 ~ 64 Hz						
Power Factor	≥ 0.99 @ Nominal Voltage (100% load)												
<b>OUTPUT</b>													
Output Voltage	100/110/115/120/127 VAC or 200/208/220/230/240 VAC						208/220/230/240 VAC						
Voltage Regulation	± 1 %												
Frequency Range (Synchronized Range)	47 ~ 53 Hz or 57 ~ 63 Hz						46 ~ 54 Hz or 56 ~ 64 Hz						
Frequency Range (Batt. Mode)	50 Hz ± 0.25 Hz or 60 Hz ± 0.3 Hz						50 Hz or 60 Hz ± 0.1 Hz						
Current Crest Ratio	3:1												
Harmonic Distortion	≤ 3 % THD (Linear Load)						≤ 3 % THD (Linear Load)						
	≤ 6 % THD (Non-linear Load)						≤ 5 % THD (Non-linear Load)						
Transfer Time	AC Mode to Battery Mode						Zero						
	Inverter to Bypass						4 ms (Typical)						
Waveform (Batt. Mode)	Pure Sinewave												
<b>EFFICIENCY</b>													
AC Mode	90%		91%			90%		92%		93%			
Battery Mode	89%		90%			89%		91%		91%			
<b>BATTERY</b>													
Standard Model	Battery Type	12 V / 9 Ah		12 V / 9 Ah			12 V / 9 Ah		12 V / 9 Ah		12 V / 9 Ah		
	Numbers	2		4			6		16		20		
	Typical Recharge Time	4 hours recover to 90% capacity						9 hours recover to 90% capacity					
	Charging Current (max.)	1 A											
Long-run Model**	Battery Type	Depending on the capacity of external batteries											
	Numbers	2		3	4	6	8	6	8	16 ~ 20 (Adjustable)			
	Charging Current (max.)	1A/2A/4A/6A (Adjustable)											
	Charging Voltage	27.4VDC ± 1%		41.0VDC ± 1%	54.7 VDC ± 1%	82.1 VDC ± 1%	109.4VDC ± 1%	82.1 VDC ± 1%	109.4VDC ± 1%	218.4 VDC ± 1%		273VDC ± 1%	218.4 VDC ± 1%
<b>INDICATORS</b>													
LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators												
<b>ALARM</b>													
Battery Mode	Sounding every 4 seconds												
Low Battery	Sounding every second												
Overload	Sounding twice every second												
Fault	Continuously sounding												
<b>PHYSICAL</b>													
Standard Model	Dimension, D x W x H(mm)	282 x 145 x 220		397 x 145 x 220			421 x 190 x 318		369 x 190 x 688		442 x 190 x 688		
	Net Weight (kgs)	9.8		17			27.6		61		74	66	76
Long-run Model**	Dimension, D x W x H(mm)	282 x 145 x 220		397 x 145 x 220			369 x 190 x 318		442 x 190 x 318				
	Net Weight (kgs)	4.1		6.8			7.4		12		16		
<b>ENVIRONMENT</b>													
Humidity	20-90 % RH @ 0- 40°C (Non-condensing)						0-95% RH @ 0-50°C (non-condensing)			0-95% RH @ 0-40°C (non-condensing)			
Noise Level	Less than 50dB @ 1 Meter						Less than 55dB @ 1 Meter			Less than 58dB @ 1 Meter			
<b>MANAGEMENT</b>													
Smart RS-232 / USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux and MAC												
Optional SNMP	Power management from SNMP manager and web browser												

\*1-3KVA: Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 100/200/208VAC 6-10KVA: Derate to 60% of capacity in Frequency converter mode and to 90% when the output voltage is adjusted to 208VAC

\*\*Long-run model is only available in 200/208/220/230/240VAC systems (200VAC system only available for 1-3KVA).  
Product design, colour and specifications are subject to change without further notice.



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