CBU® 8190C CBU® 16190C

Energy Saving - Flat Pack - High Efficiency Climate Solution

As mobile telephone networks continue to rapidly expand into developing regions of the world, the demand for greater power capacity along with superior reliability, higher energy efficiency and efficient temperature control has become critical factors to the Telecom industry.

EnerSys®, the world leader in Energy Storage Solutions, has responded to this need with the development of the **COMPACT BATTERY UNIT** ™- a family of temperature controlled cabinets for housing batteries. Low initial cost, remarkable operating cost savings and unique technical features, makes this solution the obvious choice for all sites where reliability is compromised by the negative effect of hot or cold ambient temperature.

RANGE SUMMARY



Features & Benefits

- Energy efficient technology and material maintains optimal temperature inside the cabinet.
- Energy saving lower power consumption reduces
 CO₂ emissions
- Honeycomb construction rigid & stiff construction at significant lower weight
- Operating temperature range -40°C to +70°C
- Flat pack delivery easier shipping, warehousing and installation - with less cost
- Battery life cycle extended up to 7 times
- Battery capacity up to 4 x 48V/190 Ah
- Climate control options for temperature regulation for optimum battery life
- Sun shield construction lowering surface temperature
- Comprehensive alarm system
- Ingress protection class IP55





CBU° 8190C

Designed for harsh outdoor conditions

Specifications

Mechanical

IVIECITATIICAI		
Size (L x W x H) inc. Mounting Plinth	1025 x 760 x 1095 mm 114 kg	
Weight Cabinet inc. Mounting Plinth and Battery Shelf		
Weight Mounting Base / Plinth H100	7 kg	
Weight Battery Shelf	15 kg	
Load handling / Battery Shelf	500 kg	
Encapsulation	IP55 IEC 60529	
Color	RAL7035	
Battery capacity	2 x 48V /190 Ah	
Cable inlet from bottom		
Latch with lock included		
Flex Plinth for installation of accessories		
MTBF (MIL STD 217E)	73,000 Hour (h)	
Electrical		
DC power connection	48 V ±20% VDC	
Typical power consumption in cooling applications*)	50 W	
Typical power consumption in heating applications*)	45 W	
Alarm connection	Sum alarm. Over temp, malfunction, door	
Reduce power consumption by as much as 98%		
*\@internal temperature 20 . E °C embient . 25 °C	in applies and 10 °C in booting	

^{*) @} internal temperature 20 ± 5 °C, ambient +35 °C in cooling and -10 °C in heating

CBU 16190C

Size (L x W x H) inc. Mounting Plinth

Weight Cabinet inc. Mounting Plinth

Designed for harsh outdoor conditions

Specifications

Mechanical

and Battery Shelf		
Weight Mounting	Base / Plinth H100	7 kg
Weight Battery S	helf	35 kg
Load handling / B	attery Shelf	1000 kg
Encapsulation		IP55 IEC 60529
Color		RAL7035
Battery capacity		4 x 48V /190 Ah
Cable inlet from b	ottom	
Latch with lock in	ıcluded	
Flex Plinth for ins	tallation of accessories	
MTBF (MIL STD 2	217E)	73,000 Hour (h)
Electrical		
DC power conne	ction	48 V ±20% VDC
Typical power co in cooling applica		81W
Typical power co in heating applica		73W
Alarm connection	1	Sum alarm. Over temp, malfunction, door
Reduce power co	nsumption by as much as 98%	6

Environmental

Highest ambient temperature	+70 °C
Lowest ambient temperature (heater included)	-40 °C
Humidity	100%
Air Pressure	70-106 (0,69-1,05) kPa (ATM)
Inside temperature (valid when outside temperature is max 50°C)	20 ±5 °C

Product Approvals

Froduct Approvais		
Transport	ETSI EN 300 019-1-2	Class 2.3
Storage	ETSI EN 300 019-1-1	Class 1.2
Operation	ETSI EN 300 019-1-4	Class 4.1, extended temperature range
Chemical and mechanical substances	ETSI EN 300 019-1-4	Class 4.1
EMC	ETSI EN 300 386-2:1997	Tests according to EC 61000-3
EMC	FCC CFR 47 part 15	
EMC	EN 55022:1998	Class B
EMC	CISPR 22 third edition	
EMC	IEC 61000-6-1	Tests according to IEC 61000-4
EMC	IEC 61000-6-3:2007	
EMC	IEC 61001-6-2	
EMC	EN 55024:1998	
EMC	CISPR 24	
Compatibility	CE	
Encapsulation	IEC 60 529	IP55
Noise according to	58 dB cooling 33,5 dB heating	

Noise according to ETSI300759 with classifications ETSI300019-0-1 Noise below limits except for

classifications ETSI300019-0-Noise below limits except for office use. Contact your dealer for more detailed information!

ROHS compliant

Safety Not required







EnerSys

P.O. Box 14145 Reading, PA 19612-4145 USA

*) @ internal temperature 20 ±5 °C, ambient +35 °C in cooling and -10 °C in heating

Tel. +1-610-208-1991 Fax +1-610-372-8613

EnerSys - (EMEA)

1025 x 760 x 1895 mm

184 kg

EH Europe GmbH Löwenstrasse 32 8001 Zurich, Switzerland

EnerSys Asia

152 Beach Road Gateway East Building, Level 11 189721 Singapore Tel: +65 6508 1780

EnerSys Ltd.

Oak Court
Clifton Business Park
Wynne Avenue, Swinton
Manchester M27 8FF
UK

Tel: +44 (0)161 794 4611 Fax: +44 (0)161 727 3809 Contact:

