

All our battery isolators have protection standard IP68.

- They:
- Electrically isolate batteries
 - Separate the current in one direction only
 - Intrinsically provide more charge to the battery with lower charge
 - Divide the charge among several batteries
 - Have very low voltage drop between the alternator and the battery (Low drop).

Instructions for installation and use

- The battery isolators are connected between the alternator and the batteries. The installation is very simple:
- Remove the negative terminals of all batteries before making any changes to the electrical system. Keep the engine off and follow the recommendations for disconnecting battery placed in the on-board assembly manual.
 - Install the isolator in the upright position in a dry place, free from splashing water, away from heat sources and as close as possible to the alternator
 - Connect the positive output of the alternator at the entrance of the isolator. Make sure the wires to be used for the connections are of suitable section (it is recommended to use the cables of not less than 25 mm² and for long distances even of 50 mm²): see Table 2
 - Connect the positive terminals of the battery to the terminals indicated on the isolator
 - Tighten the connections as shown in Figure 3.

Maximum current tolerated	Recommended cable dimensions			
	< 5m	> 5m e < 6m	> 6m e < 8m	> 8m e < 10m
70 A	10 mmq / 50 A	10 mmq / 50 A	16 mmq / 50 A	25 mmq / 50A
95 A	10 mmq / 50 A	16 mmq / 50 A	25 mmq / 50 A	35 mmq / 50 A
130 A	16 mmq / 80 A	25 mmq / 80 A	35 mmq / 80 A	50 mmq / 80 A
150 A	25 mmq / 120 A	35 mmq / 120A	35 mmq / 120A	75 mmq / 120A

Table 2

DISPOSAL INFORMATION

Under Article 13 DL 151/25/07/2005 directive 2002/96/EC, 2002/96/EC, the crossed bin symbol indicates that the product at the end of its life must be collected separately from other waste. The equipment at the end of life should then be given to a suitable separate collection facility of electrical and electronic waste. Proper recycling will help prevent potential negative effects on the environment and on health and promotes the reuse of materials.



ISOLATORI DI BATTERIA

LOW DROP

Gli isolatori automatici di batteria a bassa caduta di tensione (o low drop), o ripartitori di carica, consentono di ricaricare due o più batterie simultaneamente disponendo di uno o due generatori, secondo la seguente tabella:

Codice	Tipo	N° batterie output	Corrente per batteria	N° alternatori input	Peso	Dimensione mm
HPR10003	2x50 A	2	50 A	1	0,54	65X127X136
HPR20003	3x50 A	3	50 A	1	0,59	65X127X136
HPR30003	4x50 A	4	50 A	2	1,00	65X127X236
HPR40003	6x50 A	6	50 A	2	1,08	65X127X236
HPR50003	2x100 A	2	100 A	1	1,01	65X127X236
HPR60003	3x100 A	3	100 A	2	1,05	65X127X236
HPR70003	2x150 A	2	150 A	2	1,07	65X127X236
HPR80003	3x150 A	3	150 A	3	1,50	65X127X236

Tabella 1

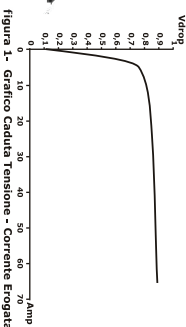
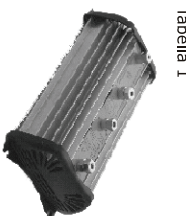
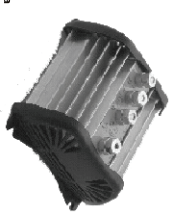


figura 1 - Grafico Caduta Tensione - Corrente Erogata



Gli isolatori separano elettricamente ciascuna batteria per evitare che quella con carica maggiore defluisca in quella più scarica. In fase di ricarica il ripartitore darà preferenza al banco con maggiore necessità. La carcassa è in alluminio, con ampia alettatura atta a disperdere efficacemente il calore. Sono forniti completi di dadi, rondelle e capicorda per il collegamento, oltre che di indicazioni per l'assemblaggio corretto.

Schema di montaggio

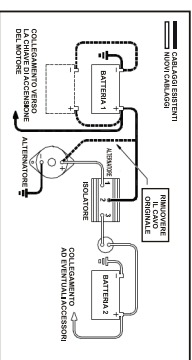


Fig. 2

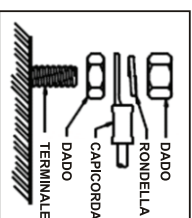


Fig. 3