

IE Ref. no: DO
Date:

Parameter (settings at 20 degreesC)		Specified Settings	Default Settings
V float			2.3V/cell
V boost			2.45V/cell
Standing load (A) - maximum allowable		1% of I rated	1% of I rated
Current limit (A)			I rated
Over temperature cutout , degrees C (only for Li-ion batteries)			NO
*Current initiated boost point (% of rated current, A)			15%
*Current terminated boost point (% of rated current, A)			10%
Microprocessor Settings			
Code	Description		
*SBS	Start in Boost State at charger start-up		YES
*CTB	Current Terminated Boost - allows termination of boost charge via the detection of a predefined value of charge current (default = 15% of max charge current)		YES
*CIB	Current Initiated Boost - allows initiation of boost charge via the detection of a predefined value of charge current (default = 10% of max charge current)		YES
*MRSB	Mains Return Start Boost - after the detection that mains has been restored to the charger a boost charge cycle will be initiated.		YES
PBT (minutes)	Pre-Boost State Time - the time the charger will always stay at the elevated boost voltage whenever an attempt is made to enter a boost charge cycle		1
BT (1-48 hours)	Boost Time - The maximum time the charger can spend in a boost charge cycle. If the charger is still in boost after this time it will enter the forced float state. Reset by turning mains off and on. The forced float state does not allow any further boost cycles unless initiated by user initiated boost button press.		24
PFT (minutes)	Pre Float Time - the time the charger will always stay at the float voltage whenever an attempt is made to enter a float charge cycle		1
RMFT (1-255 minutes)	Recall Mains Fail Time - maximum time of a mains fail where on the reoccurrence of mains the charger will resume charging in the mode as prior to the mains fail		10
MFT (1-24 hours)	Mains Fail Time - the time of a mains fail after which the charger will always restart with a boost cycle when mains reoccurs.		24
PFFT (1-255 minutes)	Pre Forced Float Time - the time the charger will always stay at the float voltage whenever an attempt is made to enter a forced float charge cycle		1
DBMFA (0.06-8.5 minutes)	Delay before mains fail alarm - the time before alarm activated on a mains failure ('E' versions)		5
	New SFBOOST .. code to be allocated (IE use only)		

* Settings not available with high voltage SR500/SR750 versions (64V and above), default setting = NO

The following is a list of all the existing versions of firmware:

CODE	A	B	D	E	F	G	I	J	K	L	M	N	P	Q	R
SBS	NO	YES	YES	YES	NO	NO	YES	NO	NO	YES	YES	YES	NO	YES	NO
CTB	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES	NO
CIB	NO	YES	NO	YES	NO	NO	NO	NO	NO	YES	NO	YES	NO	NO	NO
MRSB	NO	YES	YES	YES	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	NO
PBT(mins)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BT (hours)	24	24	8	12	24	0.02	24	8	4	8	8	7	2	7	1
PFT(mins)	1	1	1	1	1	1	1	1	1	10	1	1	1	1	1
RMFT(mins)	10	10	10	10	240	240	255	10	1	24	255	10	10	10	70
MFT (hours)	24	24	24	24	24	24	24	24	255	1	24	24	24	24	24
PFFT (mins)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DBMFA(mins)	5	5	5	5	1	5	5	1	1	1	1	5	5	5	5

CODE	S	T	U	V	W	X	Y	Z	ZA	ZB					
SBS	NO	YES	NO	NO	YES	YES	YES	YES	NO	NO					
CTB	YES	YES	NO	YES	YES	YES	YES	YES	NO	YES					
CIB	NO	NO	NO	NO	YES	YES	YES	NO	NO	NO					
MRSB	NO	YES	NO	NO	YES	YES	YES	YES	NO	YES					
PBT (mins)	1	1	1	1	1	1	1	1	1	1					
BT (hours)	4	4	5	2	24	2	4	8	2	2					
PFT (mins)	1	1	1	1	1	1	1	1	1	1					
RMFT (mins)	1	10	255	255	10	10	10	10	10	10					
MFT (hours)	255	24	24	24	0	24	24	1	2	1					
PFFT (mins)	1	1	1	1	1	1	1	1	1	1					
DBMFA (mins)	0.1	5	5	5	0	5	5	5	0.1	1					

Notes:

- B** = Standard (default) version - these settings apply if no changes are requested at time of order
- G** = all boost functions disabled, this firmware is used to obtain electronic reverse polarity protection
- S** = No LED flash codes on mains fail, all other codes operational
- N/A** = not applicable