



Smart Derivative Charger with Navigator Display





V	A	Vac Input	Model No.	Cabinet
24	10	1x230	5DTM 24 / 10	P6
	15	1x230	5DTM 24 / 15	P6
	20	1x230	5DTM 24 / 20	P6
	30	1x230	5DTM 24 / 30	P6
	40	1x230	5DTM 24 / 40	P6
	50	1x230	5DTM 24 / 50	P6
	60	1x230	5DTM 24 / 60	P6
		3x400	5DTT 24 / 60	P6
	70	1x230	5DTM 24 / 70	P6
		3x400	5DTT 24 / 70	P6
	80	1x230	5DTM 24 / 80	P6
		3x400	5DTT 24 / 80	12B
	90	1x230	5DTM 24 / 90	12B
		3x400	5DTT 24 / 90	12B
	100	1x230	5DTM 24 / 100	12B
		3x400	5DTT 24 / 100	12B
	120	1x230	5DTM 24 / 120	12B
		3x400	5DTT 24 / 120	12B
	140	3x400	5DTT 24 / 140	12B
	160	3x400	5DTT 24 / 160	12B
	180	3x400	5DTT 24 / 180	12B

36	20	1x230	5DTM 36 / 20	P6
	25	1x230	5DTM 36 / 25	P6
	30	1x230	5DTM 36 / 30	P6
	40	1x230	5DTM 36 / 40	P6
	50	1x230	5DTM 36 / 50	P6
	60	1x230	5DTM 36 / 60	P6
		3x400	5DTT 36 / 60	12B
	80	1x230	5DTM 36 / 80	12B
		3x400	5DTT 36 / 80	12B
	100	1x230	5DTM 36 / 100	12B
		3x400	5DTT 36 / 100	12B
	120	1x230	5DTM 36 / 120	12B
		3x400	5DTT 36 / 120	12B
	140	3x400	5DTT 24 / 140	12B
	160	3x400	5DTT 24 / 160	12B
	180	3x400	5DTT 24 / 180	12B

V	A	Vac Input	Model No.	Cabinet
48	30	1x230	5DTM 48 / 30	P6
	40	1x230	5DTM 48 / 40	P6
	50	1x230	5DTM 48 / 50	P6
	60	1x230	5DTM 48 / 60	P6
		3x400	5DTT 48 / 60	12B
	70	1x230	5DTM 48 / 70	12B
		3x400	5DTT 48 / 70	12B
	80	1x230	5DTM 48 / 80	12B
		3x400	5DTT 48 / 80	12B
	90	1x230	5DTM 48 / 90	12B
		3x400	5DTT 48 / 90	12B
	100	1x230	5DTM 48 / 100	12B
		3x400	5DTT 48 / 100	12B
	120	1x230	5DTM 48 / 120	12B
		3x400	5DTT 48 / 120	12B
	140	3x400	5DTT 48 / 140	12B
	160	3x400	5DTT 48 / 160	12B
	180	3x400	5DTT 48 / 180	12B

72	60	1x230	5DTM 72 / 60	12B
		3x400	5DTT 72 / 60	12B
	70	1x230	5DTM 72 / 70	12B
		3x400	5DTT 72 / 70	12B
	80	1x230	5DTM 72 / 80	12B
		3x400	5DTT 72 / 80	12B
	90	1x230	5DTM 72 / 90	12B
		3x400	5DTT 72 / 90	12B
	100	1x230	5DTM 72 / 100	12B
		3x400	5DTT 72 / 100	12B
	120	1x230	5DTM 72 / 120	12B
		3x400	5DTT 72 / 120	12B
	140	3x400	5DTT 72 / 140	12B

80	60	1x230	5DTM 80 / 60	12B
		3x400	5DTT 80 / 60	12B
	70	1x230	5DTM 80 / 70	12B
		3x400	5DTT 80 / 70	12B
	80	1x230	5DTM 80 / 80	12B
		3x400	5DTT 80 / 80	12B
	90	1x230	5DTM 80 / 90	12B
		3x400	5DTT 80 / 90	12B
	100	1x230	5DTM 80 / 100	12B
		3x400	5DTT 80 / 100	12B
	120	1x230	5DTM 80 / 120	12B
		3x400	5DTT 80 / 120	12B
	140	3x400	5DTT 80 / 140	I3

96V Chargers are available on request

Cabinet Type	Dimensions (mm)
P6	L 480 x D 280 x H 310
12B	L 550 x D 450 x H 900
I3	L 700 x D 550 x H 1150

Charger Selection Table



Model	Battery AH	
	8 - 9 hr	12 - 13 hr
Starting Current (Amps)	From 80% discharged state (AH at 5 hr rate)	
10	55	80
15	83	120
20	110	160
25	135	200
30	165	240
40	220	320
50	275	400
60	330	480
70	385	560
80	440	640
90	495	720
100	550	800
120	660	960
140	770	1120
160	880	1280
180	990	1440
200	1100	1600

AC Mains Input available for:

- 230V +/- 5% 1-Phase, 50Hz
- 400V +/- 5% 3-Phase, 50Hz
- (230V +/- 5% 3-Phase available on special request)

Supplied with AC input cable and 13A plug (UK) if applicable.

Battery Connector Plug can be fitted on request at extra cost.

Higher Amps Chargers available on request.

Navigator Display to set up or change charging parameters and aid trouble-shooting if necessary.

Data Logging facility is built into the the charge controller card. Charging cycle data such as voltage, current, time period and AH input is stored and can be downloaded directly from the charger to PC or laptio computer through data cable.

Derivative function in the final charging phase ensures precise Charge Termination by automatically sensing when the DC output voltage is no longer rising. Battery charging voltage is monitored at specific intervals and fed back to the controller, where the data is compared continuously to ascertain when the battery is fully charged.

Benefits:

Eliminates over-charging or under-charging; gives exactly what the battery needs
 Does not over-charge battery even if some cells are weak or defective
 Saves energy and reduces water topping-up frequency
 Extended battery life



Features:

- Charging Graph as per DIN 41774
- Microprocessor controlled charge
- Double safety timer: Gassing point & Maximum charge time
- Derivative sensing charge end
- Programmable for specific application
- Simple plug-in and use
- Navigator display for setup and trouble shooting aid
- Robust 50Hz power transformer
- Energy saving, reduced watering
- Extended battery life
- Equalise and Preservation charge feature built in
- Data Logging facility built-in to record charging cycle data, downloadable to PC/laptop



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*Continuous product development may lead
to specification changes without notice*