

**Single outputs**

Input to output isolation

- Input voltage ranges: 14.4V...36V 50.4V...154V
- Excellent efficiency 84% up to 91%
- High reliability MTBF 250'000h @ Ta = + 40°C
- Designed for mobile applications
- Extended ambient temperature range  
Ta = - 40°C...+ 85°C
- Continuous short - circuit no load proofed
- Power Fail
- Wall and TS 35 mounting
- 2 years warranty



DDB

Switching frequency	50 kHz typ.
Output voltage factory adjust	± 1% max.
Static line regulation	± 25 mV typ.
Output voltage ripple noise (300 kHz BW)	24V outputs 250 mVpp typ.
Output current	10A, 12.5A and 16.5A @ Vout = 24V
I   O Isolation test voltage	2100 VDC 1 minute
O   PE Isolation test voltage	500 VDC
Coupling capacitance I   O	
Operating temperature range	Ta = - 40°C . . . + 85°C class Tx EN 50155
Storage temperature range	Ta = - 55°C . + 105°C
Mounting	Open frame or IP20 (Metal housing) wall or rail TS 35 mounting

Pin - Configuration	
Pin	Single
XP11	+ Vin
XP12	+ Vin
XP13	- Vin
XP14	- Vin
XP15	PE
XP16	Enable
XP17	+ Vout
XP18	+ Vout
XP19	- Vout
XP20	- Vout
XP21	+ S
XP22	PF
XP23	- S

Standards : EN 50 155  
 Electromagnetics emission: EN 50121-3-2, EN 50081-2  
 Electromagnetics susceptibility: EN 50082-2

Types	Input		Output				Power
	Voltage		Voltage		Current		
	min.	max.	Out 1	Out 2	Out 1	Out 2	
250 DDB 024 M24	14.4V	36V	24V	-	10.0A	-	250W
250 DDB 024 M110	14.4V	36V	110V	-	2.2A	-	250W
300 DDB 110 M24	50.4V	154V	24V	-	12.5A	-	300W
250 DDB 110 M24	50.4V	154V	24V	-	12.5A	-	250W
300 FDB 220 M24	150V	380V	24V	-	12.5A	-	300W
400 FDB 110 M24	66V	154V	24V	-	16.5A	-	400W

Modifications upon request.

Dimensions in mm

