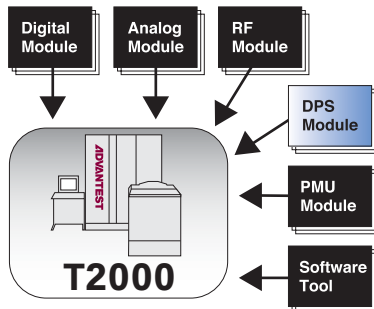


DPS Module

デバイス・パワー・サプライ・モジュール

幅広いデバイス・パワー・サプライ・モジュールのライン・アップで、大電流や多電源試験にも対応します。



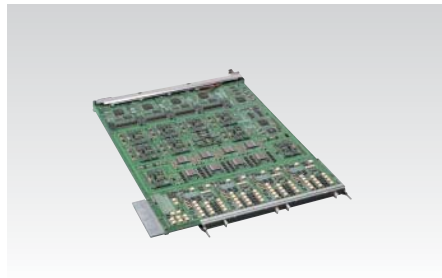
150A Device Power Supply Module

- 高速MPU等の低電圧、大電流などの試験に対応し、高精度測定に必要なロードレギュレーションを提供するモジュールです。
- 並列動作により、HC_Function時、16A/ch、80chのGangにより最大1280A、LC_Function時、2.66A/ch、64chのGangにより最大170Aの供給が可能です。



Low Current Device Power Supply Module

- SoCデバイスの多電源、低電圧、大電流試験に対応し、8chx4A (max 8V) 出力、最大64ch (256A) の並列動作が可能なモジュールです。



500mA Device Power Supply Module

- SoCデバイスの多電源試験に対応し、1枚で32chx500mA (max 12V) 出力が可能なモジュールです。 また並列動作により最大16Aに対応します。



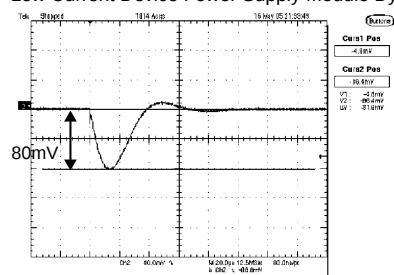
■ DPS150A (Device Power Supply 150A Module)

	HC_Function	LC_Function
Number of DPS Units:	[8 HC_Function + 8 LC_Function] per DPS150A module	
Voltage Source:	0V to 1.8V at 16A maximum output	0V to 2.0V at 2.66A maximum output
	0V to 3.0V at 12.5A maximum output	0V to 6.0V at 0.8A maximum output
	0V to 4.0V at 10A maximum output	
	0V to 14.0V at 2.25A maximum output	
Current Measurement:	Up to 64K pattern triggered measurement	
Measurement Ranges:	±50mA, 500mA, 16A	±5mA, 50mA, 500mA, 2.66A
Operating Modes:	VSVM (Voltage Source, Voltage Measure) VSIM (Voltage Source, Current Measure) ISVM (Current Source, Voltage Measure) ISHRVM [only LC_Function] (Current Source, High-Resolution Voltage Measure)	
Dynamic Load Regulation:	Output Voltage ≤4V 50mV at Δi = 50% of FS, CL=350μF within 25μS	High Capacitance mode 150mV at Δi = 50% of FS, CL = 2000μF within 700μS
	Output Voltage ≤14V 200mV at Δi = 50% of FS, CL = 100μF within 40μS	Low Capacitance mode 200mV at Δi = 50% of FS, CL = 200μF within 200μS
Parallel Ganging:	2 to 80 supplies (1280A maximum)	2 to 64 supplies (170A maximum)
Additional Features		
VBUMP:	Up to 64 Settings, Trigger from Pattern Generator	Up to 4 Settings, Trigger from Pattern Generator
Current Average:	1μs, 25μs and 100μs Sampling Rate, 64KMemory for Stored Readings	25μs and 100μs Sampling Rate, 64KMemory for Stored Readings
High Load Capacitance:	Output Voltage ≤4V Up to 10,000μF per supply	High Capacitance mode Up to 2,000μF per supply
	Output Voltage ≤14V Up to 2,000μF per supply	Low Capacitance mode Up to 200μF per supply
Cooling Method:	Liquid	

■ LCDPS (Low Current Device Power Supply Module)

Number of DPS Units:	8 per DPS Module
Voltage Source:	-2V to +6V at 4A maximum output
	-2V to +8V at 1A maximum output
Current Measurement:	Up to 64K pattern triggered measurements
Measurement Ranges:	±5μA, 50μA, 500μA, 5mA, 50mA, 500mA, 4A
Operating Modes:	VSVM (Voltage Source, Voltage Measure)
	VSIM (Voltage Source, Current Measure)
	ISVM (Current Source, Voltage Measure)
Dynamic Load Regulation:	60mV at Δi = 2A, CL = 2000μF (with high-capture mode)
	90mV at Δi = 2A, CL = 200μF (with high-speed mode)
Parallel Ganging:	2 to 64 supplies (256A maximum)
Additional Features	
VBUMP:	Up to 4 Settings, Trigger from Pattern Generator
Current Average:	25μs and 100μs Sample Rate
	64K Memory for Stored Readings
Cooling Method:	Liquid

Low Current Device Power Supply Module Dynamic Load Regulation



Decoupling Capacitance=200μF
Load Current step=2A/10nS (50%FS of Range / 10nS)

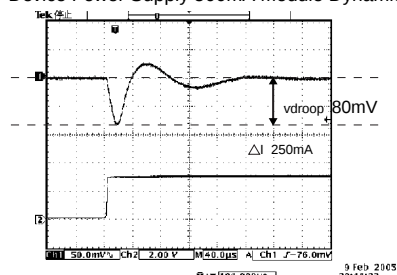
- 本製品を正しくご利用いただくため、お使いになる前に必ず取扱説明書をお読み下さい。
- 本カタログ記載の製品仕様および外観等は、予告なしに変更することがありますのでご了承下さい。

■ DPS 500mA (Device Power Supply 500mA Module)

Number of DPS Units:	32 per DPS Module
Voltage Source:	-2V to +12V at 200mA maximum output
	-2V to +8V at 500mA maximum output
Current Measurement:	Up to 64K pattern triggered measurements (with average mode)
Measurement Ranges:	±5μA, 50μA, 500μA, 5mA, 50mA, 500mA
Operating Modes:	VSVM (Voltage Source, Voltage Measure)
	VSIM (Voltage Source, Current Measure)
Dynamic Load Regulation:	90mV at Δi = 250mA, CL = 33μF
Parallel Ganging:	2 to 32 supplies (16A maximum)
Additional Features	
VBUMP:	Up to 4 Settings, Trigger from Pattern Generator
Current Average:	100μs Sample Rate
	256K Memory for Stored Readings
Cooling Method:	Air

The DPS 500mA is intended for use in highly parallel test applications as a DUT Power Supply or Reference Voltage Source.

Device Power Supply 500mA Module Dynamic Load Regulation



Decoupling Capacitance=33μF
Load Current step=250mA/10nS (50%FS of Range / 10nS)

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