

## DANFYSIK MAGNET POWER SUPPLY PROGRAM

Model:	853	854	858	855	859	883	892	7000	9100
Current stability - short (30 min.) - long (8 hours)	±3ppm ±10ppm	<0.3ppm <2ppm	±3ppm ±10ppm	<30ppm <100ppm	±3ppm ±10ppm	±25ppm	±25ppm	±100ppm	±10ppm
Max. output current	2.000 A	2.000 A	200 A	10.000 A	2.000 A	600 A	±10 A	±20 A	200 A
Max. output voltage	300 V	300 V	70 V	300 V	300 V	95 V	±60 V	±75 V	50 V
Max. output power	600 kW	600 kW	6 kW	600 kW	600 kW	25 kW	600 W	1.5 kW	10 kW
Output ripple voltage	5 mV + 0.01% of Vout	<1 mV	5 mV + 0.01% of Vout	5 mV + 0.5% of Vout		1% of Vout @ 40 kHz		<15 mV	
Current setting	18 bit	18 bit	18 bit	16 bit	18 bit	18 bit	15 bit + sign	15 bit + sign	18 bit
Air cooled version	no	no	no	yes	no	no	No	Only air cooled	no
Std. remote control*	RS232/RS422/RS485	RS232/RS422/RS485	RS232/RS422/RS485	RS232/RS422/RS485	RS232/RS422/RS485	RS232/RS422/RS485	RS232	RS422	RS422
Technology	Series transistor bank	Series transistor bank	Series transistor bank	Thyristor (SCR) controlled	Switch mode Buck converter with IGBT	Switch mode converter with IGBT	Linear output stage with a switch mode pre-regulation	Linear output stage	Switch mode with Power MOSFET
Options: - Polarity reversal sw - Energy dump circuit	yes	yes yes	yes	yes yes	yes yes	yes	no	no	yes
Application example	Dipole and analyzes	MR and Analyzes  Superconductive magnet	Dipole, quadrupole and analyzes	High current magnets  Superconductive magnet	Booster rings and when high efficiency is needed Also available with AC output current Superconductive magnet	Dipole and quadrupole	Steers and corrector (Up to 6 output channels in one rack)	Steers and corrector	Quadrupole
			19 inch rack mount			19 inch rack mount	19 inch rack mount	19 inch rack mount	19 inch rack mount
									

\* Other remote controls available, Ethernet, IEEE-488, CANBUS etc.